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SERIES 7
750

Plasma TV
user manual

imagine the possibilities

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To receive more complete service, please
register your product at

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Model ____________ Serial No. ____________

Important Warranty Information Regarding Television Format Viewing

Wide screen format PDP Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. **Displaying stationary images that exceed the above guidelines can cause uneven aging of PDP Displays that leave subtle, but permanent burned-in ghost images in the PDP picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.**
On PDP models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven PDP aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty.

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User Instructions

- **Screen Image retention**

  Do not display a still image (such as on a video game) on the plasma display panel for more than several minutes as it can cause screen image retention. This image retention is also known as “screen burn”. To avoid such image retention, refer to page 32 of this manual to reduce the degree of brightness and contrast of the screen when displaying a still image.

- **Altitude**

  The PDP can only operate normally at heights under 6500ft.

- **Heat on the top of the Plasma TV**

  The top side of the product may be hot after long periods of use as heat dissipates from the panel through the vent hole in the upper part of the product.
  This is normal and does not indicate any defect or operation failure of the product.
  However, children should be prevented from touching the upper part of the product.

- **The product is making a ‘cracking’ noise.**

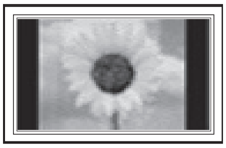
  A ‘cracking’ noise may occur when the product contracts or expands due to a change of surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.

- **Cell Defects**

  The PDP uses a panel consisting of 1,230,000(SD-level) to 3,150,000(HD-level) pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

- **Avoid operating the TV at temperatures below 5°C (41°F)**

- **A still image displayed too long may cause permanent damage to the PDP Panel.**



  Watching the Plasma TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen.
  Playing a DVD or a game console may cause similar effects to the screen.
  Damages caused by the above effect are not covered by the Warranty.

- **After-images on the Screen.**

  Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images. To prevent this effect, reduce the ‘brightness’ and ‘contrast’ when displaying still images for a long time.

- **Warranty**

  Warranty does not cover any damage caused by image retention.
  Burn-in is not covered by the warranty.

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Symbols

▲ Press

One-Touch Button

➢ Note

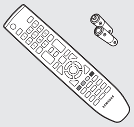
General Information

List of Features

- Adjustable picture settings that can be stored in the TV's memory.
- Automatic timer to turn the TV on and off.
- A special sleep timer.
- V-Chip function.
- Excellent Digital Interface & Networking :
  With a built-in HD digital tuner, non-subscription HD broadcasts can be viewed with no Cable Box/Satellite receiver (Set-Top Box) needed.
- HDMI/DVI connection of your PC to this TV.
- Excellent Picture Quality
  - DNIe technology provides life-like clear images.
- SRS TruSurround XT
  - SRS TruSurround XT provides a virtual surround system.

Accessories

Please make sure the following items are included with your TV. If any items are missing, contact your dealer.

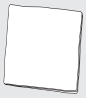


Remote Control/
2 AAA Batteries
(Not available in all locations)

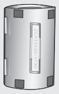
Power Cord

Owner's Instructions

Warranty Card /
Safety Guide Manual
(Not available in all locations)

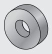


Cloth-Clean



Ferrite Core: 3ea

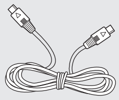
Program CD



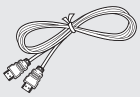
Holder-Ring (4ea)
(Refer to page 122)

The following parts are sold separately and are available at most electronics stores.

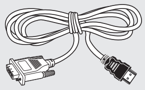
➢ If you do not use a good quality cable, some noise may appear on the screen.



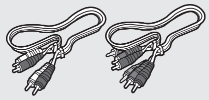
S-VIDEO Cable



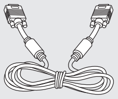
HDMI Cable



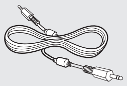
HDMI/DVI cable



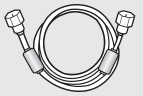
Component Cables (RCA)



PC Cable

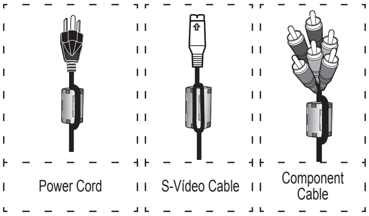


PC Audio Cable



Antenna Cable

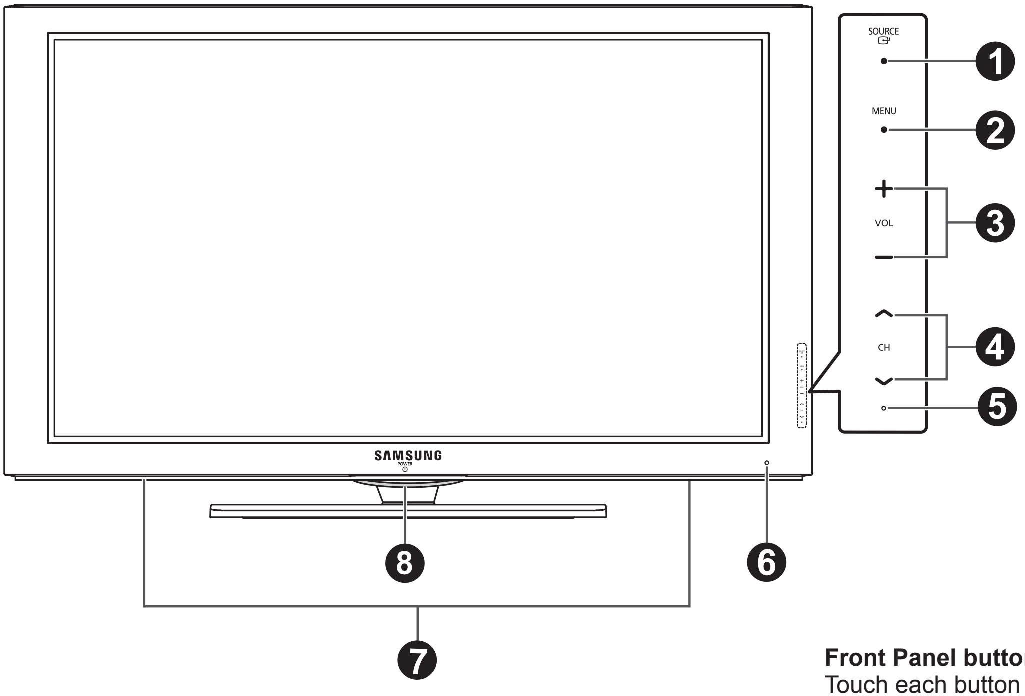
➢ **Ferrite Core**
The ferrite cores are used to shield the cables from interference.
When connecting a cable, open the ferrite core and clip it around the cable near the plug.



Viewing the Control Panel

Buttons on the Lower-Right Part of the Panel

The buttons on the lower-right panel control your TV's basic features, including the on-screen menu. To use the more advanced features, you must use the remote control.



Front Panel buttons
Touch each button to operate.

➢ The product color and shape may vary depending on the model.

❶ **SOURCE ⏎**
Toggles between all the available input sources (**TV**, **AV1**, **AV2**, **S-Video**, **Component1**, **Component2**, **PC**, **HDMI1**, **HDMI2/DVI**, **HDMI3**, **HDMI4**, **USB, DLNA**).

➢ In the on-screen menu, use this button as you would use the **ENTER** button on the remote control.

❷ **MENU**
Press to see an on-screen menu of your TV's features.

❸ **+ VOL –**
Press to increase or decrease the volume. In the on-screen menu, use the **+ VOL –** buttons as you would use the ◄ and ► buttons on the remote control.

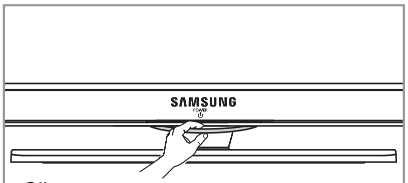
❹ **⌃ CH ⌄**
Press to change channels.
In the on-screen menu, use the **⌃ CH ⌄** buttons as you would use the ▲ and ▼ buttons on the remote control.

❺ **POWER INDICATOR**
Blinks and turns off when the power is on and lights up in stand-by mode.

❻ **REMOTE CONTROL SENSOR**
Aim the remote control towards this spot on the TV.

❼ **SPEAKERS**

❽ **⏻ (POWER)**
Touch the silver sensor below the (⏻) mark to turn the TV on and off.

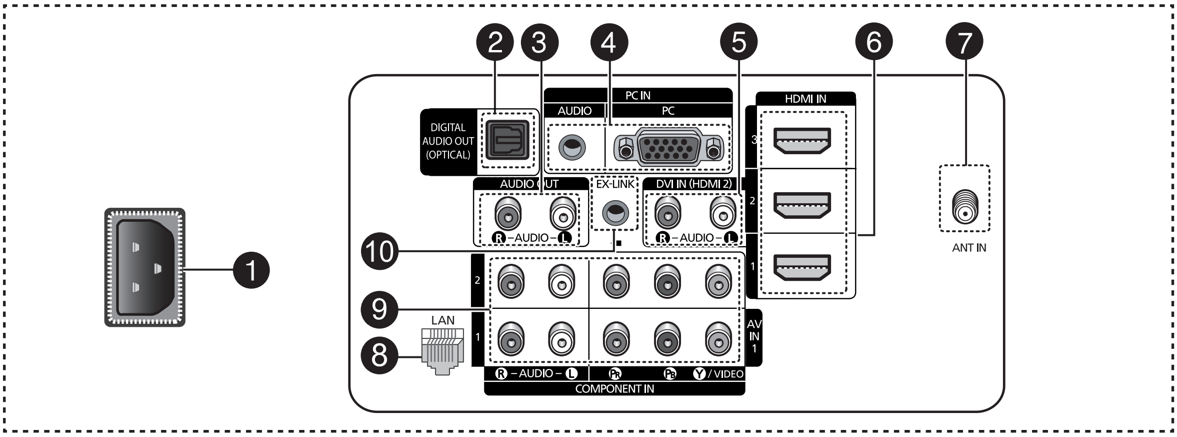


Silver sensor

Viewing the Connection Panel

Rear Panel Jacks

Use the rear panel jacks to connect A/V components that will be connected continuously, such as VCR or DVD players. For more information on connecting equipment, see pages 9~15. The product color and shape may vary depending on the model.



❶ **POWER IN**
Connect the supplied power cord.

❷ **DIGITAL AUDIO OUT (OPTICAL)**
Connect to a Digital Audio component.

❸ **AUDIO OUT (R/L)**
Audio outputs to external devices.

❹ **PC IN[PC]/[AUDIO]**
Connect to the video and audio output jack on your PC.

❺ **DVI IN (HDMI 2) (AUDIO-R/L)**
Connect to the DVI audio output jack of an external device.

❻ **HDMI IN 1, 2, 3**
Connect to the HDMI jack of a device with an HDMI output. (HDMI 2 supports HDMI-DVI IN and connection from a PC.)
- HDMI 2 can also be used as a DVI connection with separate analog audio inputs. An optional HDMI/DVI cable will be necessary to make this connection.
- When using an optional HDMI/DVI adapter, the DVI analog audio inputs on your TV allow you to receive left and right audio from your DVI device.

❼ **ANT IN**
Connects to an antenna or cable TV system.

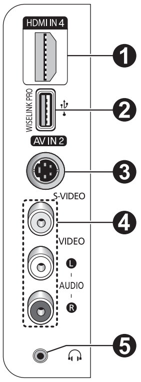
❽ **LAN**
Connect a LAN cable to this port to connect to the Network. (See page 95)

❾ **COMPONENT IN 1, 2 / AV IN 1**
Connects Component video/audio.
The COMPONENT IN 1 jack is also used as the AV IN 1 jack.
- Connect the video cable to the COMPONENT IN 1 [Y/VIDEO] jack and the audio cable to the COMPONENT IN 1 [R-AUDIO-L] jacks.

❿ **EX-LINK**
Connect this to the jack on the optional wall mount bracket. This will allow you to adjust the TV viewing angle using your remote control.

Side Panel Jacks

Use the left side panel jacks to connect a component that is used only occasionally, such as a camcorder or video game. The product color and shape may vary depending on the model.



❶ **HDMI IN 4**
Connect to the HDMI jack of a device with an HDMI output.

❷ **WISELINK PRO**
Connect a USB mass storage device to view photo files (JPEG), play audio files (MP3) and movie files(AVI).

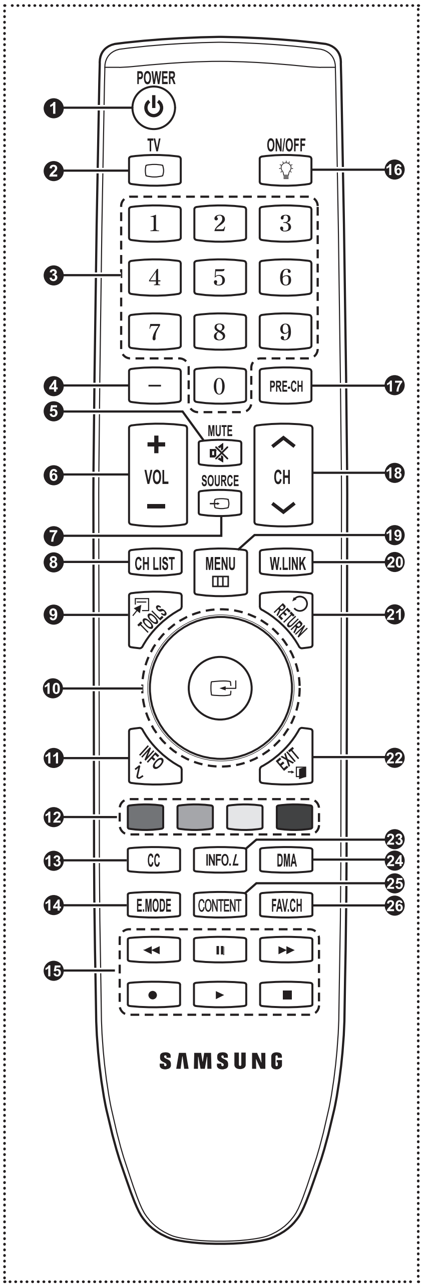
❸ **S-VIDEO**
S-Video input for external devices with an S-Video output.

❹ **AV IN 2**
Video and audio inputs for external devices.

❺ **HEADPHONE**
You can connect a set of headphones if you wish to watch a television program without disturbing other people in the room.

Remote Control

You can use the remote control up to a distance of about 23 feet from the TV.



❶ **POWER**
Turns the TV on and off.

❷ **TV**
Selects the TV mode directly.

❸ **NUMERIC BUTTONS**
Press to directly select the channel.

❹ **−**
Press to select additional channels (digital) being broadcast by the same station. For example, to select channel "54-3", press "54", then press "−" and "3".

❺ **🔇 MUTE**
Press to temporarily cut off the sound.

❻ **+ VOL −**
Press to increase or decrease the volume.

❼ **SOURCE**
Press to display and select the available video sources.

❽ **CH LIST**
Used to display Channel Lists on the screen.

❾ **TOOLS**
Use to quickly select frequently used functions.

❿ **UP▲ / DOWN▼ / LEFT◀ / RIGHT▶ / ENTER⏎**
Press the Up/Down/Left/Right sections of the wheel button and Enter to select on-screen menu items and change menu values.
You can navigate up and down the menu, switch channels and adjust the volume by turning the wheel button. (See pages 18~19)
While using MENU, TOOLS, and WISELINK, the screen goes back to the regular display if idle for more than 20 seconds.

⓫ **INFO**
Press to display information on the TV screen.

⓬ **COLOR BUTTONS**
Use these buttons in the Channel list and WISELINK, etc.

⓭ **CC**
Controls the caption decoder.

⓮ **E.MODE**
Press to select the preset display and sound modes for sports, cinema and games.

⓯ Use these buttons in the DMA, WISELINK and Anynet+ modes.
(●: This remote can be used to control recording on Samsung recorders with the Anynet+ feature)

⓰ **💡 ON/OFF**
Press to backlight the buttons on the remote.
This function is convenient for using at night or when the room is dark.
(Using the remote control with the ON/OFF(💡) light button set to On will reduce the battery usage time.)

⓱ **PRE-CH**
Tunes to the previous channel.

⓲ **∧ CH ∨**
Press to change channels.

⓳ **MENU**
Displays the main on-screen menu.

⓴ **W.LINK**(WISELINK)
This function enables you to view and play photo and music files from an external device. (Refer to pages 71 (Photo), 86 (Music) and 92 (movie))

㉑ **RETURN**
Returns to the previous menu.

㉒ **EXIT**
Press to exit the menu.

㉓ **INFO.*L***
No Available.

㉔ **DMA** (Digital Media Adapter)
Use this when connecting a Samsung DMA device through an HDMI interface and switching to DMA mode.
For more information on the operating procedures, refer to the user manual of the DMA.
➢ This button is available when "Anynet+(HDMI-CEC)" is "On". (see page 116)

㉕ **CONTENT**
This function enables you to view "Content Library".

㉖ **FAV.CH**
Press to switch to your favorite channels.

➢ The performance of the remote control may be affected by bright light.

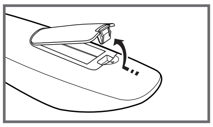
Installing Batteries in the Remote Control

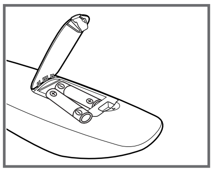
1 Lift the cover at the back of the remote control upward as shown in the figure.

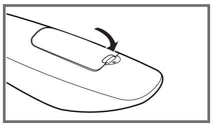
2 Install two AAA size batteries.
  ➢ Make sure to match the "+" and "–" ends of the batteries with the diagram inside the compartment.
  ➢ Using the remote control with the ON/OFF(💡) light button set to On will reduce the battery usage time.

3 Close the cover as shown in the figure.
  ➢ Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time. The remote control can be used up to about 23 feet from the TV. (Assuming typical TV usage, the batteries last for about one year.)

➢ **If the remote control doesn't work, check the following:**
1. Is the TV power on?
2. Are the plus and minus ends of the batteries reversed?
3. Are the batteries drained?
4. Is there a power cut, or is the power cord unplugged?
5. Is there a special fluorescent light or a neon sign nearby?



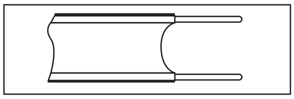




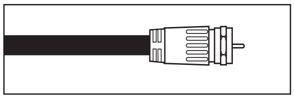
Connections

Connecting VHF and UHF Antennas

If your antenna has a set of leads that look like this, see "Antennas with 300 Ω Flat Twin Leads" below.



If your antenna has one lead that looks like this, see "Antennas with 75 Ω Round Leads".
If you have two antennas, see "Separate VHF and UHF Antennas".

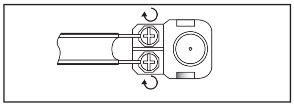


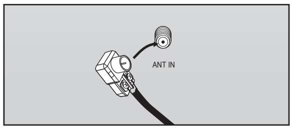
Antennas with 300 Ω Flat Twin Leads

If you are using an off-air antenna (such as a roof antenna or "rabbit ears") that has 300 Ω twin flat leads, follow the directions below.

1 Place the wires from the twin leads under the screws on a 300-75 Ω adapter (not supplied).
Use a screwdriver to tighten the screws.

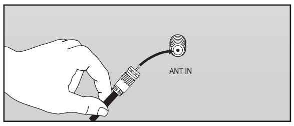
2 Plug the adaptor into the ANT IN terminal on the back of the TV.





Antennas with 75 Ω Round Leads

1 Plug the antenna lead into the ANT IN terminal on the back of the TV.

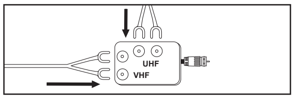


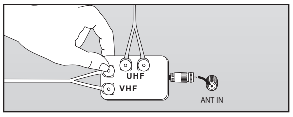
Separate VHF and UHF Antennas

If you have two separate antennas for your TV (one VHF and one UHF), you must combine the two antenna signals before connecting the antennas to the TV. This procedure requires an optional combiner-adaptor (available at most electronics shops).

1 Connect both antenna leads to the combiner.

2 Plug the combiner into the ANT IN terminal on the bottom of the back panel.





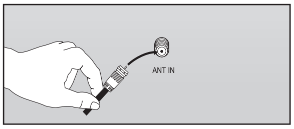
Connecting Cable TV

To connect to a cable TV system, follow the instructions below.

Cable without a Cable Box

1 Plug the incoming cable into the ANT IN terminal on the back of the TV.

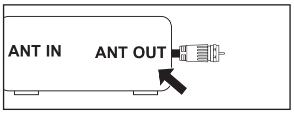
➢ Because this TV is cable-ready, you do not need a cable box to view unscrambled cable channels.



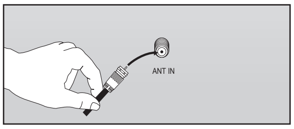
Connecting to a Cable Box that Descrambles All Channels

1 Find the cable that is connected to the ANT OUT terminal on your cable box.

➢ This terminal might be labeled “ANT OUT”, “VHF OUT” or simply, “OUT”.


ANT IN
ANT OUT

2 Connect the other end of this cable to the ANT IN terminal on the back of the TV.

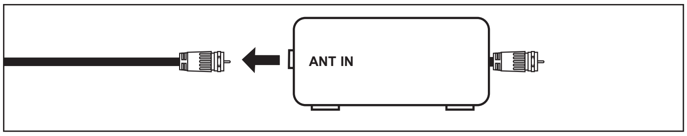


Connecting to a Cable Box that Descrambles Some Channels

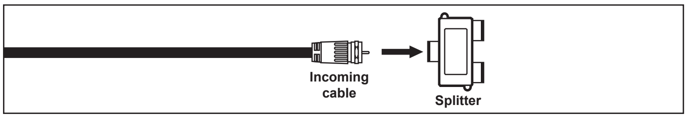
If your cable box descrambles only some channels (such as premium channels), follow the instructions below. You will need a two-way splitter, an RF (A/B) switch, and four lengths of Antenna cable. (These items are available at most electronics stores.)

1 Find and disconnect the cable that is connected to the ANT IN terminal on your cable box.

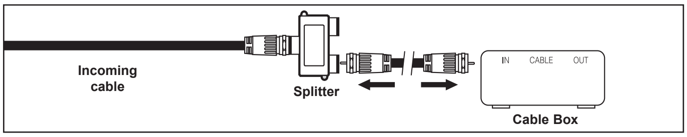
➢ This terminal might be labeled “ANT IN”, “VHF IN” or simply, “IN”.



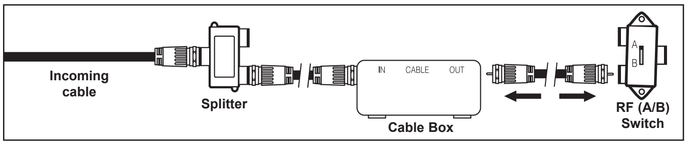
2 Connect this cable to a two-way splitter.


Incoming cable
Splitter

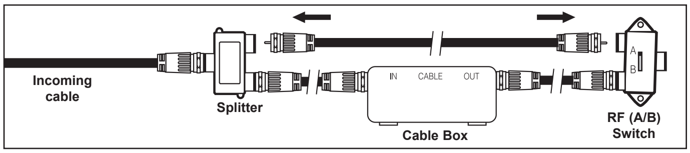
3 Connect an Antenna cable between an OUTPUT terminal on the splitter and the IN terminal on the cable box.


Incoming cable
Splitter
IN
CABLE
OUT
Cable Box

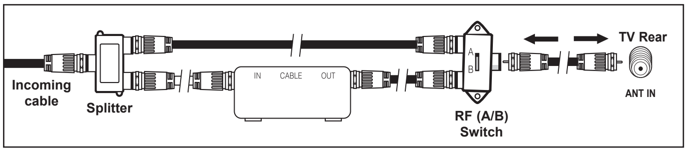
4 Connect an Antenna cable between the ANT OUT terminal on the cable box and the B–IN terminal on the RF(A/B) switch.


Incoming cable
Splitter
IN
CABLE
OUT
Cable Box
A
B
RF (A/B) Switch

5 Connect another cable between the other OUT terminal on the splitter and the A–IN terminal on the RF (A/B) switch.


Incoming cable
Splitter
IN
CABLE
OUT
Cable Box
A
B
RF (A/B) Switch

6 Connect the last Antenna cable between the OUT terminal on the RF (A/B) switch and the ANT IN terminal on the rear of the TV.

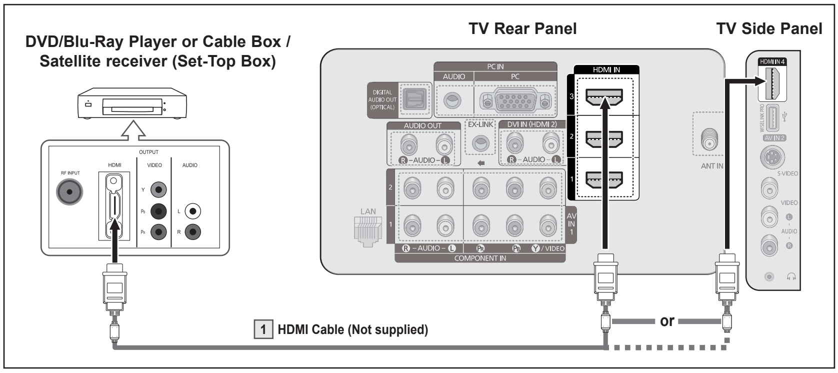

Incoming cable
Splitter
IN
CABLE
OUT
A
B
RF (A/B) Switch
TV Rear
ANT IN

After you have made this connection, set the A/B switch to the “A” position for normal viewing. Set the A/B switch to the “B” position to view scrambled channels. (When you set the A/B switch to “B”, you will need to tune your TV to the cable box’s output channel, which is usually channel 3 or 4.)

Connecting a DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box) via HDMI

This connection can only be made if there is an HDMI Output jack on the external device. This connection will provide the highest quality picture.

1. Connect an HDMI Cable between the HDMI IN (1, 2, 3 or 4) jack on the TV and the HDMI jack on the DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box).


TV Rear Panel
TV Side Panel
DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box)
OUTPUT
HDMI
VIDEO
AUDIO
RF INPUT
PC IN
AUDIO
PC
DIGITAL AUDIO OUT (OPTICAL)
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
R – AUDIO – L
HDMI IN
LAN
AV IN 1
COMPONENT IN
ANT IN
HDMI IN 4
AV IN 2
S-VIDEO
VIDEO
AUDIO
or
1 HDMI Cable (Not supplied)

What is HDMI?

- HDMI, or high-definition multimedia interface, is an interface that enables the transmission of digital audio and video signals using a single cable.
- The difference between HDMI and DVI is that the HDMI device is smaller in size and has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed.

➢ DVI also requires a separate audio connection (see below).

➢ Each DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box) has a different back panel configuration.

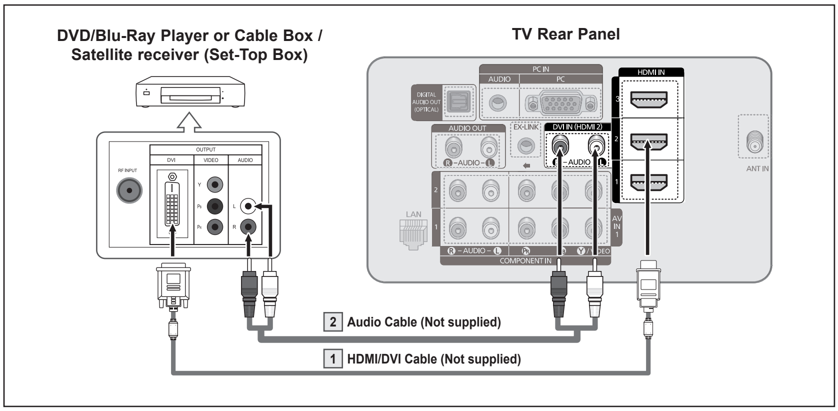
➢ The TV may not output sound and pictures may be displayed with abnormal color when DVD/Blu-Ray Player or Cable Box / Satellite receivers supporting HDMI versions older than 1.3 are connected. When connecting an older HDMI cable and there is no sound, connect the HDMI cable to the HDMI IN 2 jack and the audio cables to the DVI IN (HDMI2) [R-AUDIO-L] jacks on the back of the TV. If this happens, contact the company that provided the DVD/Blu-Ray Player or Cable Box / Satellite receiver to confirm the HDMI version, then request an upgrade.

➢ HDMI cables that are not 1.3 may cause annoying flicker or no screen display.

Connecting a DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box) via DVI

This connection can only be made if there is a DVI Output jack on the external device.

1. Connect a HDMI/DVI Cable or DVI-HDMI Adapter between the HDMI IN 2 jack on the TV and the DVI jack on the DVD/Blu-Ray Player or Cable Box/Satellite receiver (Set-Top Box).
2. Connect Audio Cables between the DVI IN (HDMI 2) [R-AUDIO-L] jack on the TV and the DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box).


DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box)
TV Rear Panel
OUTPUT
DVI
VIDEO
AUDIO
RF INPUT
PC IN
AUDIO
PC
DIGITAL AUDIO OUT (OPTICAL)
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
R – AUDIO – L
HDMI IN
LAN
AV IN 1
COMPONENT IN
ANT IN
2 Audio Cable (Not supplied)
1 HDMI/DVI Cable (Not supplied)

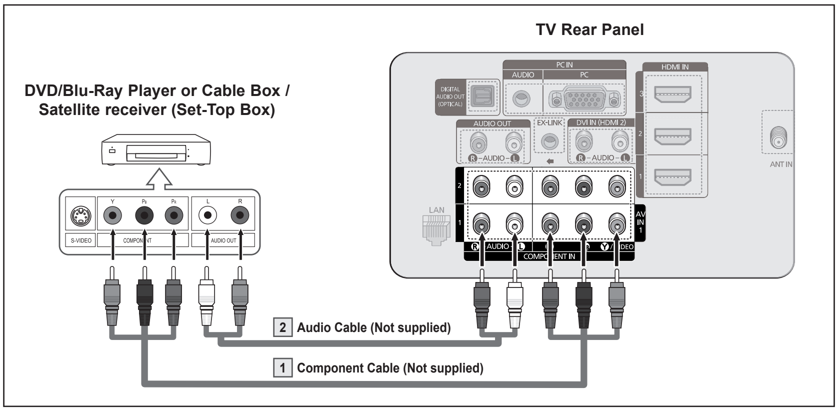
➢ Each DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box) has a different back panel configuration.

➢ When connecting a DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box), match the color of the connection terminal to the cable.

➢ When using an HDMI / DVI cable connection, you must use the HDMI IN 2 jack.

Connecting a DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box) via Component cables

The rear panel jacks on your TV make it easy to connect a DVD/Blu-Ray Player/Cable Box/Satellite receiver (Set-Top Box) to your TV.


TV Rear Panel
DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box)
S-VIDEO
COMPONENT
AUDIO OUT
PC IN
AUDIO
PC
HDMI IN
DIGITAL AUDIO OUT (OPTICAL)
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
ANT IN
LAN
AV IN 1
COMPONENT IN
2 Audio Cable (Not supplied)
1 Component Cable (Not supplied)

1. Connect a Component Cable between the COMPONENT IN (1 or 2) [Y, P_B, P_R] jacks on the TV and the COMPONENT [Y, P_B, P_R] jacks on the DVD/Blu-Ray Player or Cable Box / Satellite receiver(Set-Top Box).
2. Connect Audio Cables between the COMPONENT IN (1 or 2) [R-AUDIO-L] jacks on the TV and the AUDIO OUT jacks on the DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box).

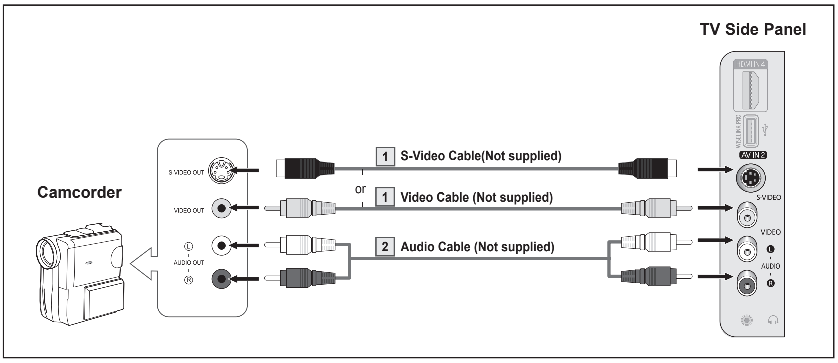
➢ Component video separates the video into Y (Luminance (brightness)), P_B (Blue) and P_R (Red) for enhanced video quality. Be sure to match the component video and audio connections. For example, if connecting a Component video cable to COMPONENT IN 1, connect the audio cable to COMPONENT IN 1 also.

➢ Each DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box) has a different back panel configuration.

➢ When connecting a DVD/Blu-Ray Player or Cable Box / Satellite receiver (Set-Top Box), match the color of the connection terminal to the cable.

Connecting a Camcorder

The side panel jacks on your TV make it easy to connect a camcorder to your TV. They allow you to view the camcorder tapes without using a VCR.


TV Side Panel
Camcorder
S-VIDEO OUT
VIDEO OUT
AUDIO OUT
L
R
1 S-Video Cable(Not supplied)
or
1 Video Cable (Not supplied)
2 Audio Cable (Not supplied)
HDMI IN 4
WISELINK PRO
AV IN 2
S-VIDEO
VIDEO
L
AUDIO
R

1. Connect a Video Cable (or S-Video Cable) between the AV IN 2 [VIDEO] (or S-VIDEO) jack on the TV and the VIDEO OUT jack on the Camcorder.
2. Connect Audio Cables between the AV IN 2 [L-AUDIO-R] jacks on the TV and the AUDIO OUT jacks on the Camcorder.

➢ Each Camcorder has a different back panel configuration.

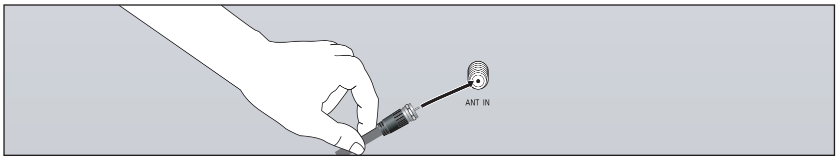
➢ When connecting a Camcorder, match the color of the connection terminal to the cable.

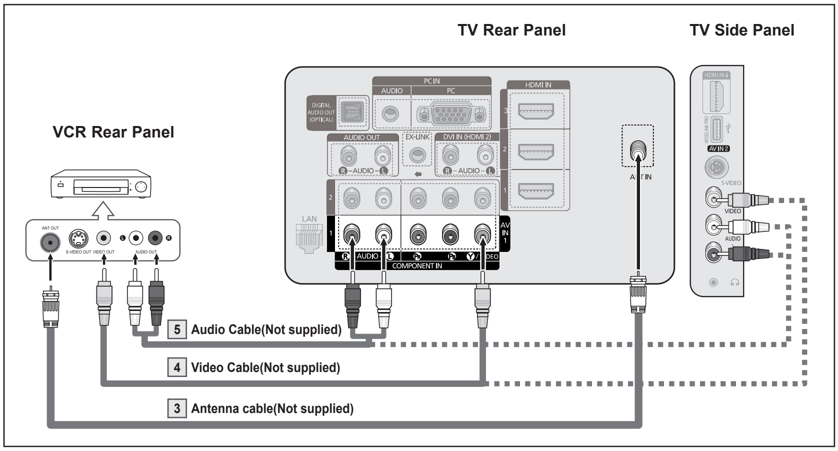
Connecting a VCR

Video Connection

These instructions assume that you have already connected your TV to an antenna or a cable TV system (according to the instructions on pages 9~10). Skip step 1 if you have not yet connected to an antenna or a cable system.

1. Unplug the cable or antenna from the back of the TV.
2. Connect the cable or antenna to the ANT IN terminal on the back of the VCR.
3. Connect an Antenna Cable between the ANT OUT terminal on the VCR and the ANT IN terminal on the TV.
4. Connect a Video Cable between the VIDEO OUT jack on the VCR and the AV IN 1 [Y/VIDEO] or AV IN 2 [VIDEO] jack on the TV.
5. Connect Audio Cables between the AUDIO OUT jacks on the VCR and the AV IN 1 (or AV IN 2) [R-AUDIO-L] jacks on the TV.




TV Rear Panel
TV Side Panel
VCR Rear Panel
ANT OUT
S-VIDEO OUT
VIDEO OUT
AUDIO OUT
DIGITAL AUDIO OUT (OPTICAL)
PC IN
AUDIO
PC
HDMI IN
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
R - AUDIO - L
LAN
AV IN 1
COMPONENT IN
Y/VIDEO
ANT IN
HDMI IN 4
WISELINK PRO
AV IN 2
S-VIDEO
VIDEO
AUDIO
5 Audio Cable(Not supplied)
4 Video Cable(Not supplied)
3 Antenna cable(Not supplied)

➢ If you have a "mono" (non-stereo) VCR, use a Y-connector (not supplied) to connect to the right and left audio input jacks of the TV. Alternatively, connect the cable to the "R" jack.
If your VCR is stereo, you must connect two cables.

➢ Each VCR has a different back panel configuration.

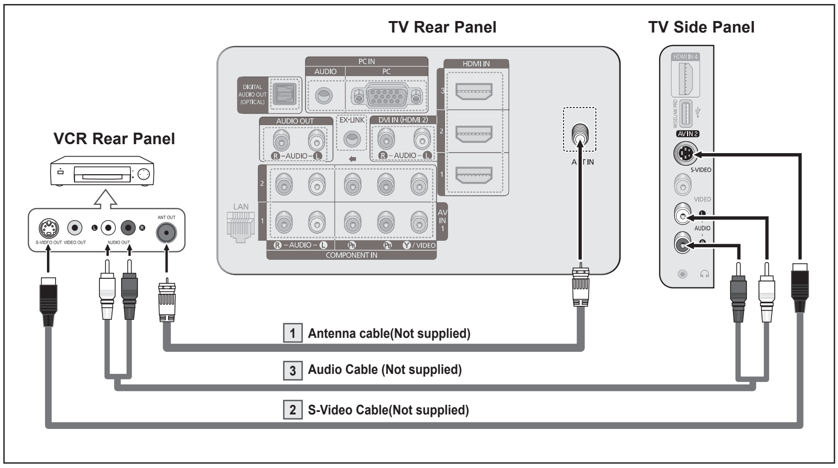
➢ When connecting a VCR, match the color of the connection terminal to the cable.

➢ When connecting to AV IN 1, the color of the AV IN 1 [Y/VIDEO] jack (Green) does not match the color of the video cable (Yellow).

S-Video Connection

Your Samsung TV can be connected to an S-Video jack on a VCR.
(This connection delivers a better picture as compared to a standard VCR.)

1. To begin, follow steps 1–3 in the previous section to connect the antenna or cable to your VCR and your TV.
2. Connect an S-Video Cable between the S-VIDEO OUT jack on the VCR and the AV IN 2 [S-VIDEO] jack on the TV.
3. Connect Audio Cables between the AUDIO OUT jacks on the VCR and the AV IN 2 [R-AUDIO-L] jacks on the TV.


TV Rear Panel
TV Side Panel
VCR Rear Panel
S-VIDEO OUT
VIDEO OUT
AUDIO OUT
ANT OUT
DIGITAL AUDIO OUT (OPTICAL)
PC IN
AUDIO
PC
HDMI IN
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
R - AUDIO - L
LAN
AV IN 1
COMPONENT IN
Y/VIDEO
ANT IN
HDMI IN 4
WISELINK PRO
AV IN 2
S-VIDEO
VIDEO
AUDIO
1 Antenna cable(Not supplied)
3 Audio Cable (Not supplied)
2 S-Video Cable(Not supplied)

An S-Video cable may be included with your VCR. (If not, check your local electronics store.)

➢ Each VCR has a different back panel configuration.

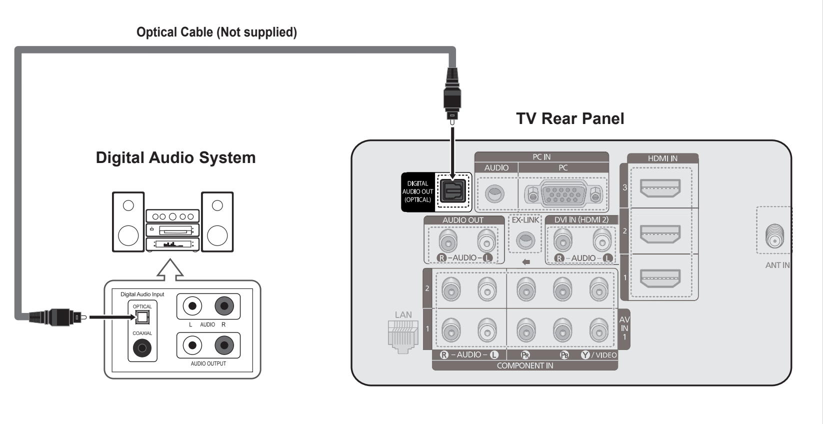
➢ When connecting a VCR, match the color of the connection terminal to the cable.

Connecting a Digital Audio System

The rear panel jacks on your TV make it easy to connect a Digital Audio System(Home theater/Receiver) to your TV.

1 Connect an Optical Cable between the DIGITAL AUDIO OUT (OPTICAL) jacks on the TV and the Digital Audio Input (OPTICAL) jacks on the Digital Audio System.

When a Digital Audio System is connected to the DIGITAL AUDIO OUT (OPTICAL) jack: Decrease the volume of the TV, and adjust the volume level with the system's volume control.


Optical Cable (Not supplied)
TV Rear Panel
Digital Audio System
Digital Audio Input
OPTICAL
COAXIAL
L AUDIO R
AUDIO OUTPUT
DIGITAL AUDIO OUT (OPTICAL)
PC IN
AUDIO
PC
HDMI IN
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
R - AUDIO - L
ANT IN
LAN
AV IN 1
COMPONENT IN
Y / VIDEO

What is OPTICAL?

- An optical cable converts an electric signal into an optical light signal, and transmits it through glass fibers. S/PDIF is a transmission system of digital audio in the form of a light wave that uses a glass conductor.

➢ 5.1CH audio is possible when the TV is connected to an external device supporting 5.1CH.

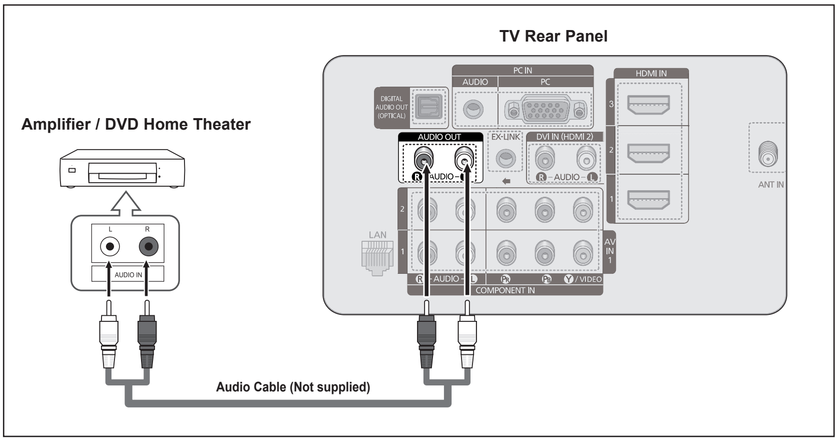
➢ Each Digital Audio System has a different back panel configuration.

➢ When the receiver (home theater) is set to On, you can hear sound output from the TV's Optical jack. When the TV is displaying a DTV(air) signal, the TV will send out 5.1 channel sound to the Home theater receiver. When the source is a digital component such as a DVD and is connected to the TV via HDMI, only 2 channel sound will be heard from the Home Theater receiver.
If you want to hear 5.1 channel audio, connect the DIGITAL AUDIO OUT (OPTICAL) jack on the DVD/Blu-Ray Player or Cable/Satellite Box directly to an Amplifier or Home Theater, not the TV.

Connecting an Amplifier / DVD Home Theater

1 Connect Audio Cables between the AUDIO OUT [R-AUDIO-L] jacks on the TV and AUDIO IN [L-AUDIO-R] jacks on the Amplifier/DVD Home Theater.

When an audio amplifier is connected to the AUDIO OUT [R-AUDIO-L] jacks terminals : Decrease the volume of the TV, and adjust the volume level with the Amplifier's volume control.


TV Rear Panel
Amplifier / DVD Home Theater
L
R
AUDIO IN
Audio Cable (Not supplied)
DIGITAL AUDIO OUT (OPTICAL)
PC IN
AUDIO
PC
HDMI IN
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
R - AUDIO - L
ANT IN
LAN
AV IN 1
COMPONENT IN
Y / VIDEO

➢ Each Amplifier / DVD Home Theater has a different back panel configuration.

➢ When connecting an Amplifier / DVD Home Theater, match the color of the connection terminal to the cable.

Connecting a PC

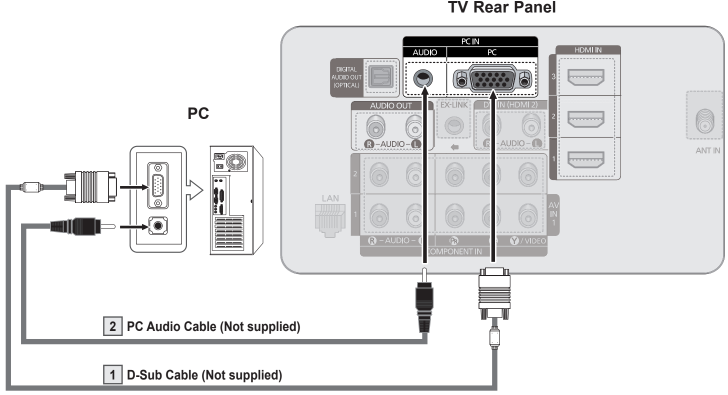
Using the D-Sub Cable

1. Connect a D-Sub Cable between PC IN [PC] jack on the TV and the PC output jack on your computer.
2. Connect a PC Audio Cable between the PC IN [AUDIO] jack on the TV and the Audio Out jack of the sound card on your computer.

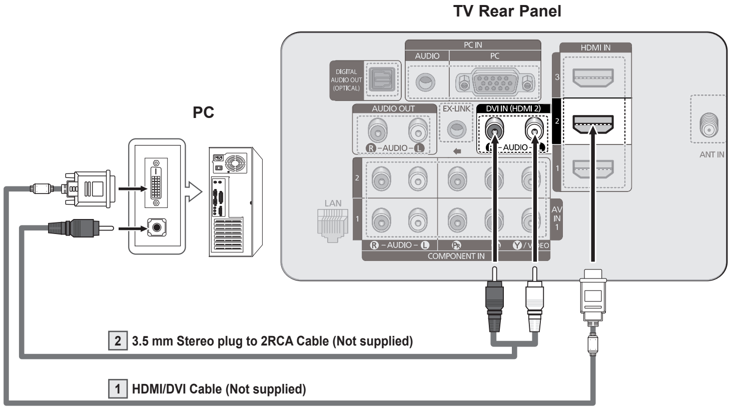
Using the HDMI/DVI Cable

1. Connect a HDMI/DVI cable between the HDMI IN 2 jack on the TV and the PC output jack on your computer.
2. Connect a 3.5 mm Stereo plug to 2RCA cable between the DVI IN (HDMI2) [R-AUDIO-L] jack on the TV and the Audio Out jack of the sound card on your computer.

Using the D-Sub Cable


TV Rear Panel
PC
PC IN
AUDIO
PC
HDMI IN
DIGITAL AUDIO OUT (OPTICAL)
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
ANT IN
LAN
COMPONENT IN
AV IN 1
2 PC Audio Cable (Not supplied)
1 D-Sub Cable (Not supplied)

Using the HDMI/DVI Cable


TV Rear Panel
PC
PC IN
AUDIO
PC
HDMI IN
DIGITAL AUDIO OUT (OPTICAL)
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
ANT IN
LAN
COMPONENT IN
AV IN 1
2 3.5 mm Stereo plug to 2RCA Cable (Not supplied)
1 HDMI/DVI Cable (Not supplied)

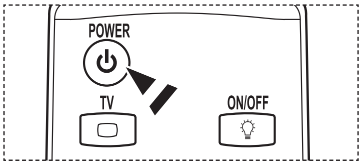
- ➢ Each PC has a different back panel configuration.
- ➢ When connecting a PC, match the color of the connection terminal to the cable.
- ➢ When using an HDMI/DVI cable connection, you must use the HDMI IN 2 terminal.

Operation

Turning the TV On and Off

**Press the POWER button on the remote control.
You can also use the POWER button on the TV.**

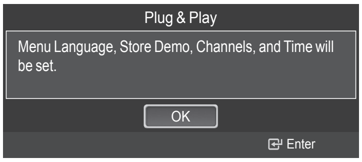
➢ It may take a little while before you see a full picture.



Plug & Play Feature

**The first time you turn on your new TV, choose your basic settings for language, input source and channels, and time of day using the plug and play feature. The TV will store these settings in memory. Storing the channels in memory will allow you to scan the stored channels rather than have to enter their digits each time you want to change channels.
When the TV is initially powered on, basic settings proceed automatically:**

1 Press the **POWER** button on the remote control.
The message **Menu Language, Store Demo, Channels, and Time will be set.** is automatically displayed.

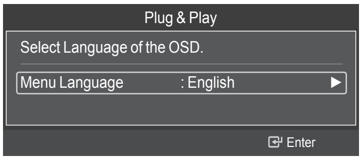

Plug & Play

Menu Language, Store Demo, Channels, and Time will be set.

2 Press the **ENTER** button to enter the language.
Press the ▲ or ▼ button to select language, then press the **ENTER** button.
The message **Select 'Home Use' when installing this TV in your home.** is automatically displayed.

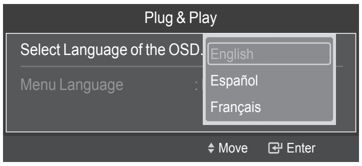
➢ The Screen Saver is activated if there is no remote control key input for longer than 1 minute while **Plug & Play** is running.

➢ The TV is turned off if there is no operating signal for longer than 15 minutes.


Plug & Play

Select Language of the OSD.

Menu Language : English ▶


Plug & Play

Select Language of the OSD.

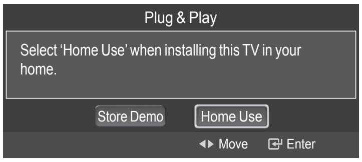
Menu Language :

3 Press the ◀ or ▶ button to select **Store Demo** or **Home Use**, then press the **ENTER** button.

➢ We recommend setting the TV to **Home Use** mode for the best picture in your home environment.

➢ **Store Demo** mode is only intended for use in retail environments.

➢ If the unit is accidentally set to **Store Demo** mode and you want to return to **Home Use** mode: Press the Volume button on the TV.
When the volume OSD is displayed, press and hold the MENU button on the TV for 5 seconds.

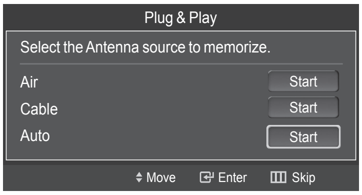

Plug & Play

Select 'Home Use' when installing this TV in your home.

4 Press the ▲ or ▼ button to memorize the channels of the selected connection, then press the **ENTER** button.

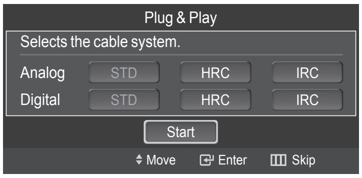
➢ **Air**: **Air** antenna signal.
Cable: **Cable** antenna signal.
Auto: **Air** and **Cable** antenna signals.

➢ In Cable mode, you can select the correct analog signal source among **STD**, **HRC**, and **IRC** by pressing the ◀ or ▶ button, then press the **ENTER** button. If you have Digital cable, select the signal source for both Analog and Digital. Contact your local cable company to identify the type of cable system that exists in your particular area.


Plug & Play

Select the Antenna source to memorize.

Air Start
Cable Start
Auto Start


Plug & Play

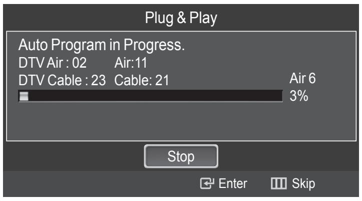
Selects the cable system.

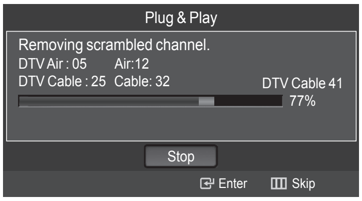
Analog STD HRC IRC
Digital STD HRC IRC

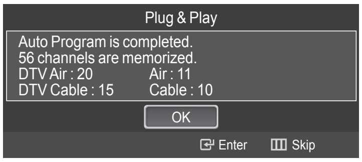
Continued...

5 The TV will begin memorizing all of the available channels.
After all the available channels are stored, the TV starts to remove scrambled channels (see page 47). The Auto program menu then reappears.
Press the **ENTER** button when channel memorization is complete.
The **Clock Mode** menu is displayed.

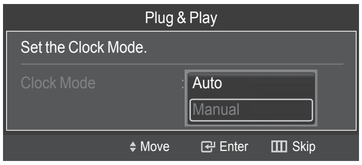
➢ To stop the search before it has finished, press the **ENTER** button with stop selected.


Plug & Play
Auto Program in Progress.
DTV Air : 02 Air:11
DTV Cable : 23 Cable: 21 Air 6
3%

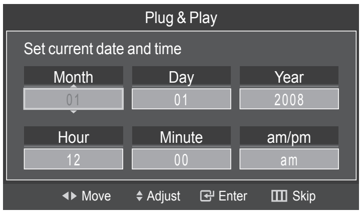

Plug & Play
Removing scrambled channel.
DTV Air : 05 Air:12
DTV Cable : 25 Cable: 32 DTV Cable 41
77%


Plug & Play
Auto Program is completed.
56 channels are memorized.
DTV Air : 20 Air : 11
DTV Cable : 15 Cable : 10

6 Press the **ENTER** button.
Press the ▲ or ▼ button to select **Manual** for setting the current time manually, then press the **ENTER** button.
The message **Set current date and time.** is displayed.
➢ If you select **Auto, Set to daylight saving time.** is displayed, then go to step 9.

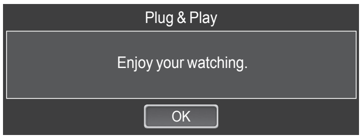

Plug & Play
Set the Clock Mode.
Clock Mode : Auto / Manual

7 Press the ◀ or ▶ button to move to **Month**, **Day**, **Year**, **Hour**, **Minute**, or **am/pm.**
Set the date and time you want by pressing the ▲ or ▼ button, then press the **ENTER** button.
➢ You can set the month, day, year, hour, and minute directly by pressing the number buttons on the remote control.


Plug & Play
Set current date and time

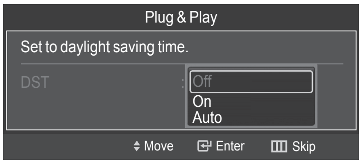
Month	Day	Year
01	01	2008
Hour	**Minute**	**am/pm**
12	00	am

8 The message **Enjoy your watching.** is displayed.
When you have finished, press the **ENTER** button.
➢ Even if the **ENTER** button is not pressed, the message will automatically disappear after several seconds.

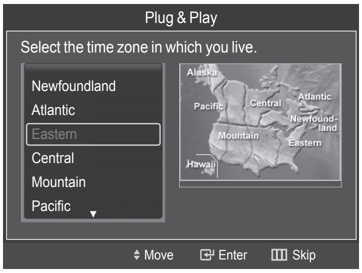

Plug & Play
Enjoy your watching.

Setting the Clock Automatically

9 Press the **ENTER** button.
Press the ▲ or ▼ button to select **Off, On or Auto**, then the **ENTER** button.
The message **Select the time zone in which you live**. is displayed.

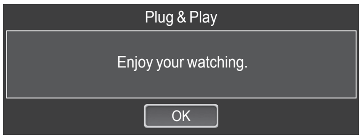

Plug & Play
Set to daylight saving time.
DST : Off / On / Auto

10 Press the ▲ or ▼ button to highlight the time zone for your local area (and to move the highlight to the appropriate time zone on the map of the United States).
Press the **ENTER** button.
If clock is not automatically set, see page 52 to set the clock.


Plug & Play
Select the time zone in which you live.

11 The message **Enjoy your watching.** is displayed.
When you have finished, press the **ENTER** button.

➢ Even if the **ENTER** button is not pressed, the message will automatically disappear after several seconds.

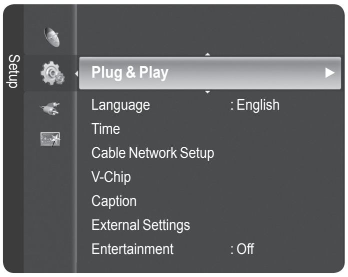

Plug & Play
Enjoy your watching.

Continued...

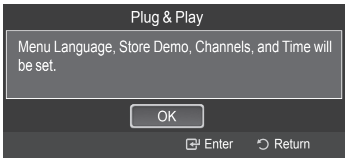
If you want to reset this feature...

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

2 Press the **ENTER** button to select **Plug & Play**. For further details on setting up options, refer to the pages 16~17.
➢ The Plug & Play feature is only available in the TV mode.



Plug & Play ►
Language : English
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off

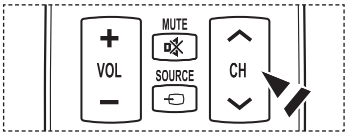

Plug & Play

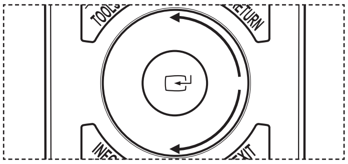
Menu Language, Store Demo, Channels, and Time will be set.

Changing Channels

Using the Channel Buttons

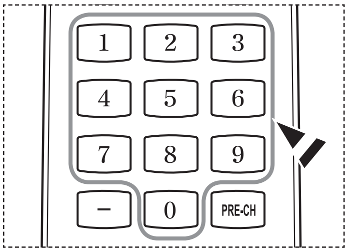
1 Press the **CH** ⌃ or **CH** ⌄ button to change channels.
➢ When you press the **CH** ⌃ or **CH** ⌄ button, the TV changes channels in sequence. You will see all the channels that the TV has memorized. (The TV must have memorized at least three channels). You will not see channels that were either erased or not memorized. See page 20 to memorize channels.
➢ To increase the channel number, turn the wheel clockwise when the Channel Display is displayed. To decrease the channel number, turn the wheel counterclockwise.





Using the Number Buttons

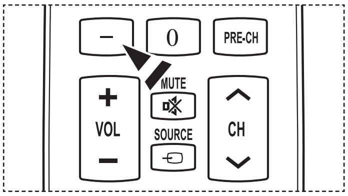
1 Press the number buttons to go directly to a channel. For example, to select channel **27**, press **2**, then **7**.
The TV will change channels when you press the second number.
➢ For quick channel change, press the number buttons, then press the **ENTER** button.
➢ You can press number buttons on Remote control for direct channel access, press the same Number button again to switch between digital and analog TV channels broadcast by the same station.



Using the - Button

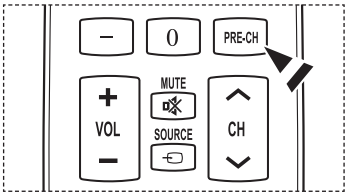
The “−” button is used to select stations that broadcast a digital signal.

1 For example, for Channel 7-1, press **7**, then −, then **1**.
➢ HD indicates the TV is receiving a Digital High Definition signal.
SD indicates the TV is receiving a Standard Definition signal.
➢ For quick channel change, press the number buttons, then press the **ENTER** button.



Using the PRE-CH Button to select the Previous Channel

1 Press the **PRE-CH** button. The TV will switch to the last channel viewed.
➢ To quickly switch between two channels that are far apart, tune to one channel, then use the number button to select the second channel. Then use the **PRE-CH** button to quickly alternate between them.

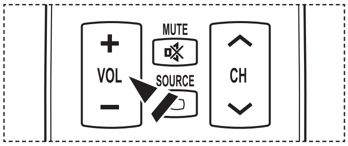


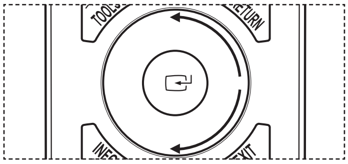
Adjusting the Volume

Using the Volume Buttons

1 Press the **VOL** + or **VOL** − button to increase or decrease the volume.

➢ To turn the volume up, turn the wheel clockwise when the Volume Control window is displayed. To turn the volume down, turn the wheel counterclockwise.



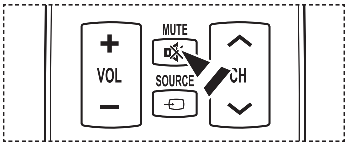


Using the Mute Button

At any time, you can cut off the sound using the **MUTE** button.

1 Press **MUTE** and the sound cuts off.
🔇 will displayed on the screen.

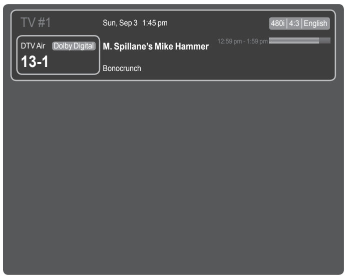
2 To turn mute off, press the **MUTE** button again, or simply press the **VOL** + or **VOL** − button.



Viewing the Display

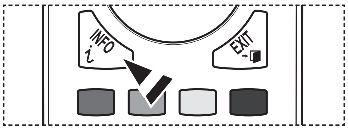
The display identifies the current channel and the status of certain audio-video settings.

1 Press the **INFO** button on the remote control.
The TV will display the channel, the type of sound, and the status of certain picture and sound settings.



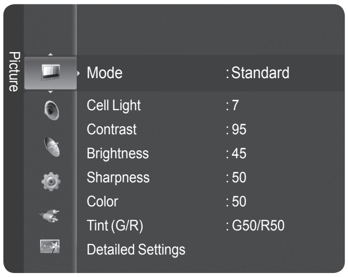
TV #1
Sun, Sep 3 1:45 pm
480i | 4:3 | English
DTV Air Dolby Digital
13-1
M. Spillane's Mike Hammer
12:59 pm - 1:59 pm
Bonocrunch

Press the **INFO** button once more or wait approximately 10 seconds and it disappears automatically.



Viewing the Menus

1 With the power on, press the **MENU** button.
The main menu appears on the screen. The menu's left side has icons: **Picture**, **Sound**, **Channel**, **Setup**, **Input**, **Application**.



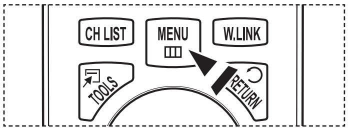
Mode : Standard
Cell Light : 7
Contrast : 95
Brightness : 45
Sharpness : 50
Color : 50
Tint (G/R) : G50/R50
Detailed Settings

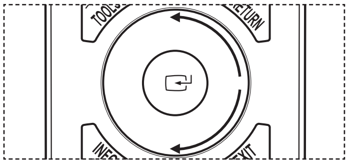
2 Press the ▲ or ▼ button to select one of the icons.
Then press the **ENTER** button to access the icon's sub-menu.

➢ To move to a lower menu, turn the wheel clockwise when the menu Display is on the screen. To move to a higher menu, turn the wheel counterclockwise.

3 Press the **EXIT** button to exit.

➢ It takes about one minute until the on-screen menu disappears.





Using the Remote Control Backlight Buttons

Use this feature in dark surroundings and when you are unable to see the remote control buttons clearly.

1 Press the **ON/OFF** 💡 light button
  - ➢ Pressing the **ON/OFF** 💡 light button toggles between ON and OFF.
  - ➢ When ON, the button backlight is turned on for a moment.
  - ➢ Pressing a remote control button when the remote control is on turns the button backlight on for a moment. If you touch or move the remote control and the motion is detected by the sensor of the remote control, the button backlight will be turned on for a moment.
  - ➢ The button backlight will not be turned on when the remote control is turned off.

Using the TOOLS Button

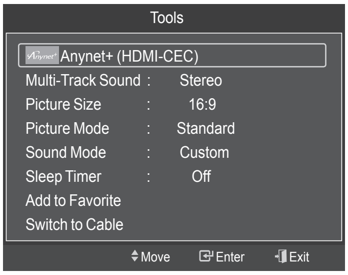
You can use the TOOLS button to select your frequently used functions quickly and easily. The TOOLS menu changes depending on which external input mode you are viewing.

1 Press the **TOOLS** button.
The **TOOLS** menu will appear.

2 Press the ▲/▼ button to select a menu, then press the **ENTER** button.

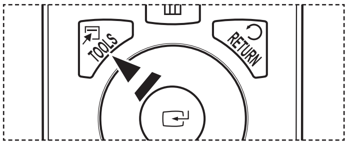
3 Press the ▲/▼/◄/►/**ENTER** buttons to display, change, or use the selected items. For a more detailed description of each function, refer to the corresponding page.

- ● Anynet (HDMI-CEC), see page 117
- ● Multi-Track Sound, see page 38
- ● Picture Size, see page 28
- ● Picture Mode, see page 23
- ● Sound Mode, see page 36
- ● Sleep Timer, see page 55
- ● Add to Favorite, see page 43
- ● Switch to Cable(or Switch to Air), see pages 20~21
- ● PIP: see pages 34~35
- ● Auto adjustment: see page 50



Tools

Anynet+ (HDMI-CEC)
Multi-Track Sound : Stereo
Picture Size : 16:9
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
Add to Favorite
Switch to Cable



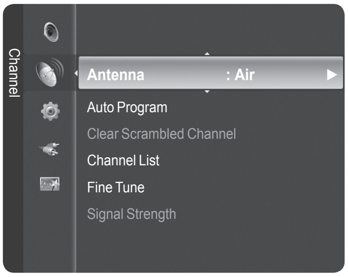
Memorizing the Channels

Your TV can memorize and store all of the available channels for both air and cable channels. After the available channels are memorized, use the CH ⌃ or CH ⌄ button to scan through the channels. This eliminates the need to change channels by entering the channel digits. There are three steps for memorizing channels: selecting a broadcast source, memorizing the channels (automatic) and adding and deleting channels (Channel Lists).

Selecting the Video Signal-source

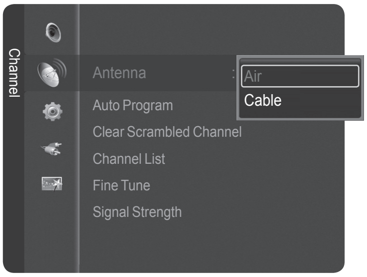
Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e. an Air or a Cable system).

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.



Antenna : Air

2 Press the **ENTER** button to select **Antenna**.
Press the ▲ or ▼ button to select **Air** or **Cable**, then press the **ENTER** button.
Press the **EXIT** button to exit.



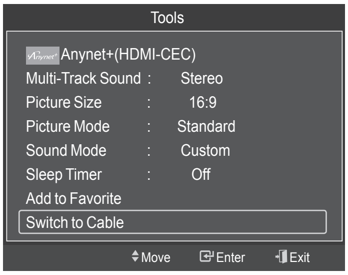
Continued...

Easy Setting

1 Press the **TOOLS** button on the remote control.

2 Press the ▲ or ▼ button to select **Switch to Cable** or **Switch to Air**.

3 Press the **ENTER** button.

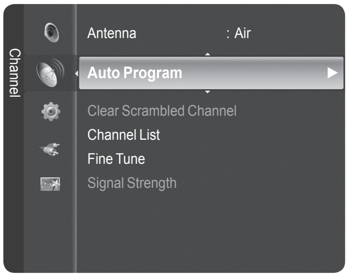

Tools
Anynet+(HDMI-CEC)
Add to Favorite
Switch to Cable
Move
Enter
Exit

Multi-Track Sound : Stereo
Picture Size : 16:9
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off

Storing Channels in Memory (Automatic Method)

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.

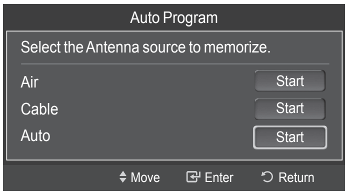
2 Press the ▲ or ▼ button to select **Auto Program**, then press the **ENTER** button.


Channel
Auto Program
Clear Scrambled Channel
Channel List
Fine Tune
Signal Strength

Antenna : Air

3 Press the ▲ or ▼ button to select an antenna connection, then press the **ENTER** button.

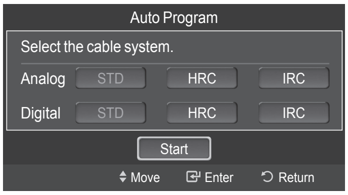
➢ **Air**: **Air** antenna signal.
Cable: **Cable** antenna signal.
Auto: **Air** and **Cable** antenna signals.


Auto Program
Air
Start
Cable
Start
Auto
Start
Move
Enter
Return

Select the Antenna source to memorize.

4 When selecting the Cable TV system:
Press the **ENTER** button to start the auto program.
Press the ◄ or ► to select the correct analog signal cable system source among **STD**, **HRC**, and **IRC**, then press the **ENTER** button. If you have Digital cable TV, select the cable system signal source for both Analog and Digital.

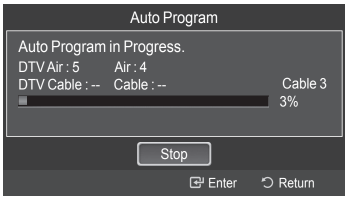
➢ **STD**, **HRC**, and **IRC** identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area. At this point the signal source has been selected.


Auto Program
Analog
STD
HRC
IRC
Digital
STD
HRC
IRC
Start
Move
Enter
Return

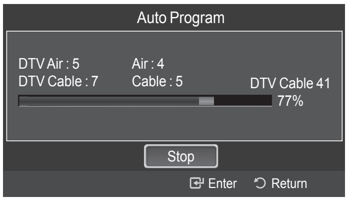
Select the cable system.

5 The TV begins memorizing all available stations.
After all the available channels are stored, the TV starts to remove scrambled channels (see page 47). The Auto program menu then reappears.
If you want to stop Auto Programming, press the **ENTER** button.
The **Stop Auto Program?** message will be displayed. Select **Yes** by pressing the ◄ or ► button, then press the **ENTER** button.

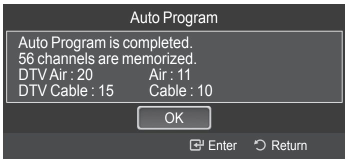
Press the **EXIT** button to exit.


Auto Program
Stop
Enter
Return

Auto Program in Progress.
DTV Air : 5 Air : 4
DTV Cable : -- Cable : --
Cable 3
3%


Auto Program
Stop
Enter
Return

DTV Air : 5 Air : 4
DTV Cable : 7 Cable : 5
DTV Cable 41
77%

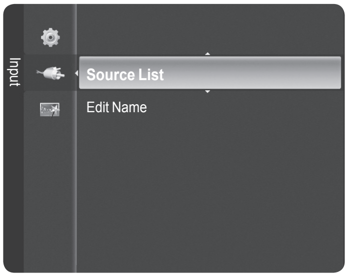

Auto Program
OK
Enter
Return

Auto Program is completed.
56 channels are memorized.
DTV Air : 20 Air : 11
DTV Cable : 15 Cable : 10

To Select the Source

Use to select TV or other external input sources such as DVD/Blu-Ray players or Cable Box/Satellite receivers (Set-Top Box) connected to the TV. Use to select the input source of your choice.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Input**, then press the **ENTER** button.


Input
Source List
Edit Name

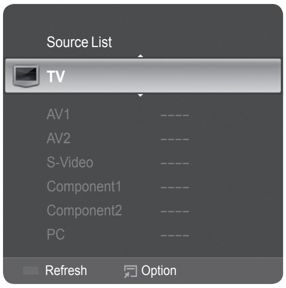
2 Press the **ENTER** button to select **Source List**.
Press the ▲ or ▼ button to select the signal source, then press the **ENTER** button.

➢ Available signal sources: **TV**, **AV1**, **AV2**, **S-Video**, **Component1**, **Component2**, **PC**, **HDMI1**, **HDMI2/DVI**, **HDMI3**, **HDMI4**,**USB, DLNA**.

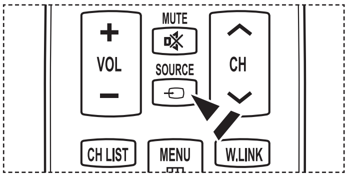
➢ You can choose only those external devices that are connected to the TV. In the **Source List**, connected inputs will be highlighted and sorted to the top. Inputs that are not connected will be sorted to the bottom.

➢ **Using the Color buttons on the remote with the Source list.**

- **Red (Refresh)**: Refreshes the connecting external devices.
- **(TOOLS) Option**: Displays the **Edit Name** and **Information** menus.


Source List
TV
AV1 ----
AV2 ----
S-Video ----
Component1 ----
Component2 ----
PC ----
Refresh
Option

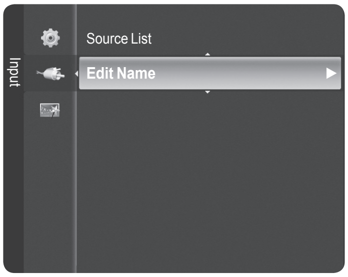
You can also press the **SOURCE** button on the remote control to view an external signal source.


MUTE
VOL
SOURCE
CH
CH LIST
MENU
W.LINK

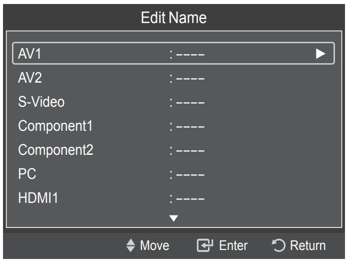
To Edit the Input Source Name

You can name the device connected to the input jacks to make your input source selection easier.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Input**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Edit Name**, then press the **ENTER** button.


Input
Source List
Edit Name ▶

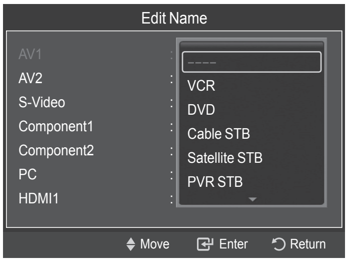
2 Press the ▲ or ▼ button to select **AV1**, **AV2**, **S-Video**, **Component1**, **Component2**, **PC**, **HDMI1**, **HDMI2/DVI**, **HDMI3 or HDMI4** input jack, then press the **ENTER** button.


Edit Name
AV1 : ---- ▶
AV2 : ----
S-Video : ----
Component1 : ----
Component2 : ----
PC : ----
HDMI1 : ----
Move
Enter
Return

3 Press the ▲ or ▼ button to select **VCR, DVD, Cable STB, Satellite STB, PVR STB, AV Receiver, Game, Camcorder, PC, TV, IPTV, Blu-Ray, HD DVD, DMA** input source, then press the **ENTER** button.

Press the **EXIT** button to exit.

➢ When a PC with a resolution of 1920 x 1080@60Hz is connected to the HDMI IN 2 port, you should set the **HDMI2/DVI** mode to PC in the **Edit Name** of the **Input** mode.

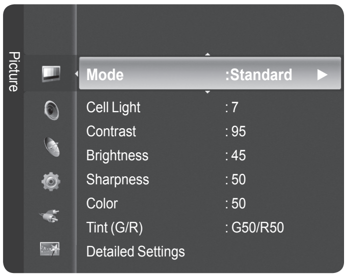

Edit Name
AV1
AV2
S-Video
Component1
Component2
PC
HDMI1

VCR
DVD
Cable STB
Satellite STB
PVR STB
Move
Enter
Return

Picture Control

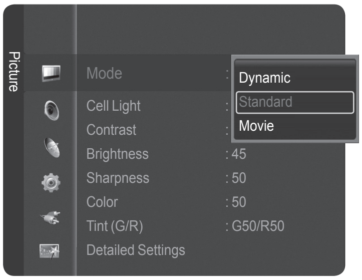
Changing the Picture Standard

You can select the type of picture which best corresponds to your viewing requirements.



Mode :Standard
Cell Light : 7
Contrast : 95
Brightness : 45
Sharpness : 50
Color : 50
Tint (G/R) : G50/R50
Detailed Settings

1 Press the **MENU** button to display the menu.
Press the **ENTER** button to select **Picture**.

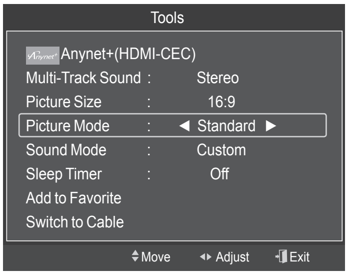


Mode
Cell Light
Contrast
Brightness : 45
Sharpness : 50
Color : 50
Tint (G/R) : G50/R50
Detailed Settings

2 Press the **ENTER** button to select **Mode**.
Press the ▲ or ▼ button to select **Dynamic**, **Standard**, or **Movie.**
Press the **ENTER** button.

- **Dynamic**: Select the picture for high-definition in a bright room.
- **Standard**: Select the picture for the optimum display in the normal environment.
- **Movie**: Select the picture for viewing movies in a dark room.

3 Press the **EXIT** button to exit.



Anynet+(HDMI-CEC)
Multi-Track Sound : Stereo
Picture Size : 16:9
Picture Mode : ◄ Standard ►
Sound Mode : Custom
Sleep Timer : Off
Add to Favorite
Switch to Cable

Easy Setting

1 Press the **TOOLS** button on the remote control.

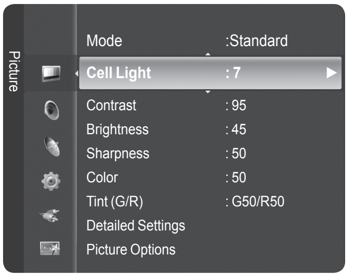
2 Press the ▲ or ▼ button to select **Picture Mode**.

3 Press the ◄ or ► button to select the required option.

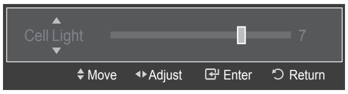
4 Press the **EXIT** or **TOOLS** button to exit.

Customizing the Picture Settings

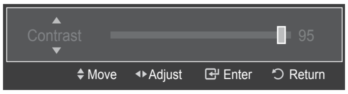
Your television has several setting options that allow you to control the picture quality.



Mode :Standard
Cell Light : 7
Contrast : 95
Brightness : 45
Sharpness : 50
Color : 50
Tint (G/R) : G50/R50
Detailed Settings
Picture Options



Cell Light 7



Contrast 95

1 To select the desired picture mode, follow the “Changing the Picture Standard” instructions number 1 to 2.

2 Press the ▲ or ▼ button to select **Cell Light**, **Contrast**, **Brightness**, **Sharpness**, **Color**, or **Tint (G/R)**, then press the **ENTER** button.

3 Press the ◄ or ► button to decrease or increase the value of a particular item.
Press the **ENTER** button.
Press the **EXIT** button to exit.

➢ • When you make changes to **Cell Light**, **Contrast**, **Brightness**, **Sharpness**, **Color**, or **Tint (G/R)** the OSD will be adjusted accordingly.
• When in PC mode, **Tint(G/R)**, **Sharpness** and **Color** are not available.
• Each adjusted setting will be stored separately according to its input mode.

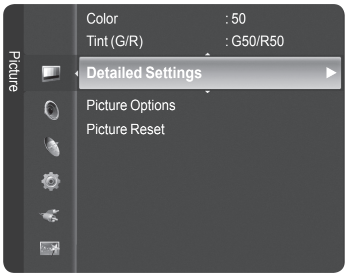
➢ This TV includes the Cell Light function to adjust the panel brightness.

- **Cell Light**: Adjusts the brightness of PDP Cell Light (pixels).
- **Contrast**: Adjusts the contrast level of the picture.
- **Brightness**: Adjusts the brightness level of the picture.
- **Sharpness**: Adjusts the edge definition of the picture.
- **Color**: Adjusts color saturation of the picture.
- **Tint(G/R)**: Adjusts the color tint of the picture by compensating the red and green color.

Adjusting the Detailed Settings

Samsung's new TVs allow you to make even more precise picture settings than previous models. See below to adjust detailed picture settings.

Activating Detailed Settings


Picture
Picture Options
Picture Reset

Color : 50
Tint (G/R) : G50/R50
Detailed Settings ▶

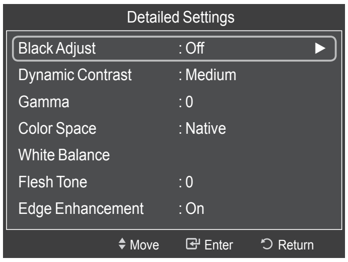
1 Press the **MENU** button to display the menu.
Press the **ENTER** button to select **Picture**.

2 Press the **ENTER** button to select **Mode**.
Press the ▲ or ▼ button to select **Standard** or **Movie**, then press the **ENTER** button.
➢ **Detailed Settings** is available in **Standard** or **Movie** mode.

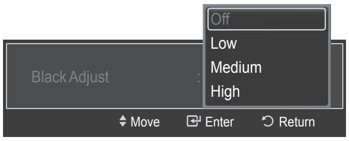
3 Press the ▲ or ▼ button to select **Detailed Settings**, then press the **ENTER** button.
➢ In PC mode, you can only make changes to **Dynamic Contrast**, **Gamma** and **White Balance** from among the **Detailed Settings** items.

Activating Black Adjust

You can select the black level on the screen to Adjust the screen depth.


Detailed Settings
White Balance
Move
Enter
Return

Black Adjust : Off ▶
Dynamic Contrast : Medium
Gamma : 0
Color Space : Native
Flesh Tone : 0
Edge Enhancement : On


Black Adjust
Off
Low
Medium
High
Move
Enter
Return

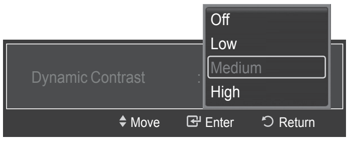
4 Press the ▲ or ▼ button to select **Black Adjust**, then press the **ENTER** button.

5 Press the ▲ or ▼ button to select **Off**, **Low**, **Medium** or **High**.
Press the **ENTER** button.

- **Off**: Turns off the black adjustment function.
- **Low**: Sets the black color depth to low.
- **Medium**: Sets the black color depth to medium.
- **High**: Sets the black color depth to high.

Activating Dynamic Contrast

You can adjust the screen contrast so that the optimal contrast is provided.


Dynamic Contrast
Off
Low
Medium
High
Move
Enter
Return

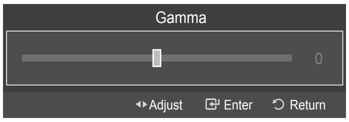
6 Press the ▲ or ▼ button to select **Dynamic Contrast**, then press the **ENTER** button.

7 Press the ▲ or ▼ button to select **Off**, **Low**, **Medium** or **High**.
Press the **ENTER** button.

- **Off**: Turns off the dynamic contrast adjustment function.
- **Low**: Sets the dynamic contrast to low.
- **Medium**: Sets the dynamic contrast to medium.
- **High**: Sets the dynamic contrast to high.

Activating Gamma

You can adjust the Primary Color (Red, Green, Blue) Intensity. (-3 ~ +3)


Gamma
0
Adjust
Enter
Return

8 Press the ▲ or ▼ button to select **Gamma**, then press the **ENTER** button.

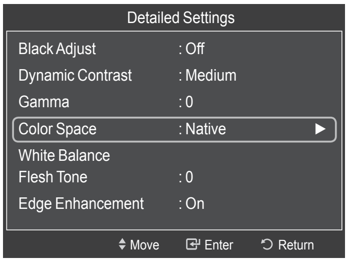
9 Press the ◀ or ▶ button to decrease or increase the value.
Press the **ENTER** button.

Continued...

Changing the Color Space

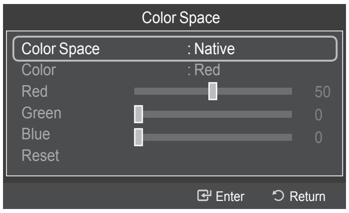
Color space is a color matrix composed of red, green and blue colors.
Select your favorite color space to experience the most natural color.

10 Press the ▲ or ▼ button to select **Color Space**, then press the **ENTER** button.


Detailed Settings

Black Adjust : Off
Dynamic Contrast : Medium
Gamma : 0
Color Space : Native ►
White Balance
Flesh Tone : 0
Edge Enhancement : On

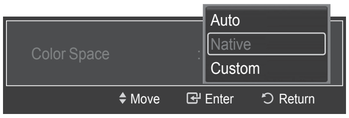
11 Press the **ENTER** button again to select **Color Space**.


Color Space

Color Space : Native
Color : Red
Red 50
Green 0
Blue 0
Reset

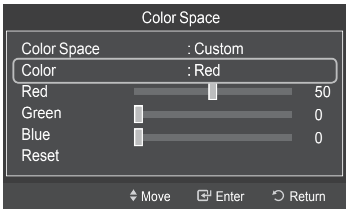
12 Press the ▲ or ▼ button to select **Auto**, **Native** or **Custom**.
Press the **ENTER** button.

- **Auto**: Auto Color Space automatically adjusts to the most natural color tone based on program sources.
- **Native**: Native Color Space offers deep and rich color tone.
- **Custom**: Adjusts the color range to suit your preference. (see "Customizing the Color Space")



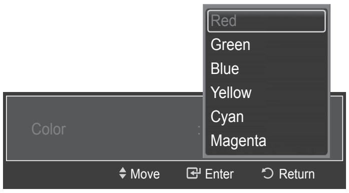
Customizing the Color Space

13 Press the ▲ or ▼ button to select **Color**, then press the **ENTER** button.
➢ **Color** is available when **Color Space** is set to **Custom**.


Color Space

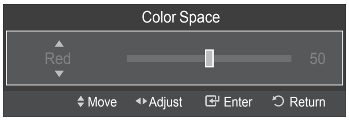
Color Space : Custom
Color : Red
Red 50
Green 0
Blue 0
Reset

14 Press the ▲ or ▼ button to select **Red**, **Green**, **Blue**, **Yellow**, **Cyan** or **Magenta**.
Press the **ENTER** button.



15 Press the ▲ or ▼ button to select **Red**, **Green**, or **Blue** to change it.
Press the **ENTER** button.

16 Press the ◄ or ► button to decrease or increase the value of a particular item.
Press the **ENTER** button.
➢ In Color, you can adjust the RGB values for the selected color.
➢ To reset the adjusted RGB value, select **Reset**.


Color Space

Red 50

- **Red**: Adjusts the red saturation level of the selected color.
- **Green**: Adjusts the green saturation level of the selected color.
- **Blue**: Adjusts the blue saturation level of the selected color.
- **Reset**: Resets the color space to the default values.

➢ Changing the adjustment value will refresh the adjusted screen.
➢ Settings can be adjusted and stored for each external device you have connected to an input of the TV. For example, if you have a DVD player connected to HDMI 1 and it is currently selected, settings and adjustments will be saved for the DVD player.

Continued...

Activating White Balance

You can adjust the color temperature for more natural picture colors.

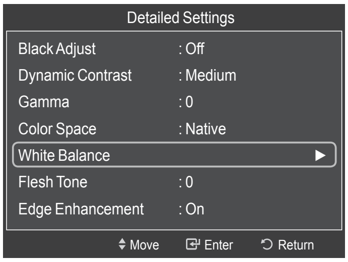
17 Press the ▲ or ▼ button to select **White Balance**, then press the **ENTER** button.

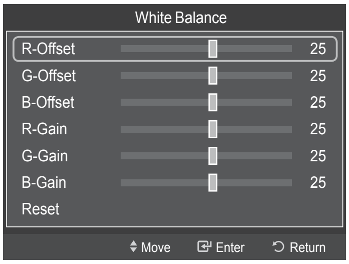
18 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.

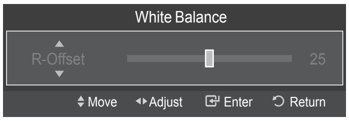
19 Press the ◀ or ▶ button to decrease or increase the value of a particular item. Press the **ENTER** button.

- **R-Offset**: Adjusts the red color darkness.
- **G-Offset**: Adjusts the green color darkness.
- **B-Offset**: Adjusts the blue color darkness.
- **R-Gain**: Adjusts the red color brightness.
- **G-Gain**: Adjusts the green color brightness.
- **B-Gain**: Adjusts the blue color brightness.
- **Reset**: The previously adjusted white balance will be reset to the factory defaults.

➢ Changing the adjustment value will refresh the adjusted screen.


Detailed Settings
Black Adjust : Off
Dynamic Contrast : Medium
Gamma : 0
Color Space : Native
White Balance ▶
Flesh Tone : 0
Edge Enhancement : On


White Balance
R-Offset 25
G-Offset 25
B-Offset 25
R-Gain 25
G-Gain 25
B-Gain 25
Reset


White Balance
R-Offset 25

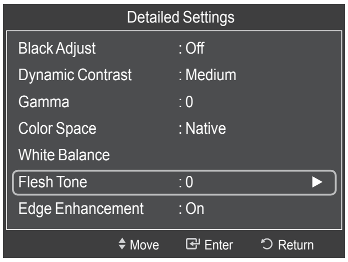
Adjusting the Flesh Tone

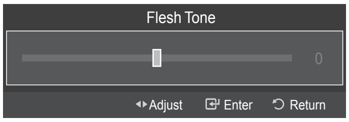
You can emphasize the pink flesh tone in the picture.

20 Press the ▲ or ▼ button to select **Flesh Tone**, then press the **ENTER** button.

21 Press the ◀ or ▶ button to decrease or increase the value.
Press the **ENTER** button.

➢ Changing the adjustment value will refresh the adjusted screen.


Detailed Settings
Black Adjust : Off
Dynamic Contrast : Medium
Gamma : 0
Color Space : Native
White Balance
Flesh Tone : 0 ▶
Edge Enhancement : On

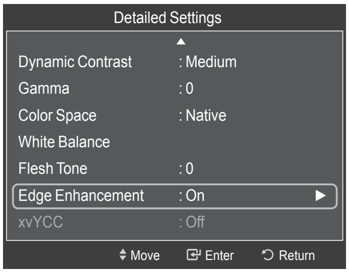

Flesh Tone
0

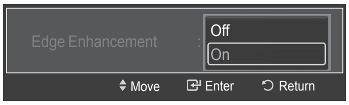
Activating Edge Enhancement

You can emphasize object boundaries in the picture.

22 Press the ▲ or ▼ button to select **Edge Enhancement**, then press the **ENTER** button.

23 Press the ▲ or ▼ button to select **Off** or **On**. Press the **ENTER** button.

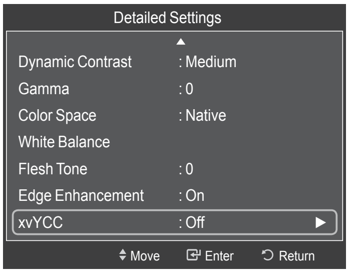

Detailed Settings
Dynamic Contrast : Medium
Gamma : 0
Color Space : Native
White Balance
Flesh Tone : 0
Edge Enhancement : On ▶
xvYCC : Off


Edge Enhancement : Off
On

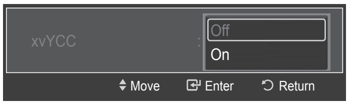
Continued...

Activating xvYCC

Setting the xvYCC mode to **On** increases detail and color space when watching movies from an external device (ie. DVD player) connected to the HDMI or Component IN jacks.


Detailed Settings
Move
Enter
Return

Dynamic Contrast : Medium
Gamma : 0
Color Space : Native
White Balance
Flesh Tone : 0
Edge Enhancement : On
xvYCC : Off

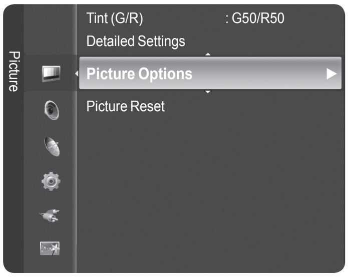

xvYCC
Off
On
Move
Enter
Return

24 Press the ▲ or ▼ button to select **xvYCC**, then press the **ENTER** button.

25 Press the ▲ or ▼ button to select **Off** or **On**.
Press the **ENTER** button.
➢ **xvYCC** is available when the picture mode is set to **Movie**, and the external input is set to **Component** or **HDMI** mode.

Configuring Picture Options

Activating Picture Options

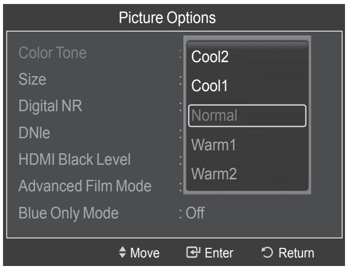

Picture
Tint (G/R) : G50/R50
Detailed Settings
Picture Options
Picture Reset

1 Press the **MENU** button to display the menu.
Press the **ENTER** button to select **Picture**.

2 Press the ▲ or ▼ button to select **Picture Options**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select a particular item.
Press the **ENTER** button.
➢ When you are satisfied with your setting, press the **ENTER** button.
➢ In PC mode, you can only make changes to the **Color Tone, Size** and **Screen Burn Protection** from among the items in **Picture Options**.

Adjusting the Color Tone


Picture Options
Color Tone
Size
Digital NR
DNIe
HDMI Black Level
Advanced Film Mode
Cool2
Cool1
Normal
Warm1
Warm2
Move
Enter
Return

Blue Only Mode : Off

1 Follow the **Activating Picture Options** instructions numbers 1 and 2.

2 Press the ▲ or ▼ button to select **Color Tone**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select **Cool2**, **Cool1**, **Normal**, **Warm1** or **Warm2**.
Press the **ENTER** button.
➢ **Warm1** or **Warm2** is only activated when the picture mode is Movie.
➢ Settings can be adjusted and stored for each external device you have connected to an input of the TV.

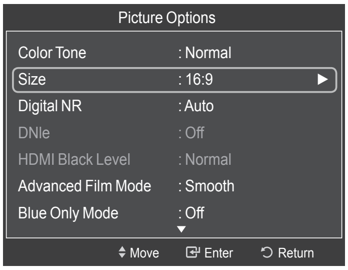
Continued...

Changing the Screen Size

Occasionally, you may want to change the size of the image on your screen. Your TV comes with six screen size options, each designed to work best with specific types of video input. Your cable box or satellite receiver may have its own set of screen sizes as well. In general, though, you should view the TV in 16:9 mode as much as possible.

1 Follow the **Activating Picture Options** instructions numbers 1 and 2.

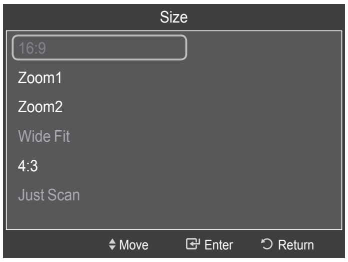
2 Press the ▲ or ▼ button to select **Size**, then press the **ENTER** button.


Picture Options
▲▼ Move
Enter
Return

Color Tone : Normal
Size : 16:9
Digital NR : Auto
DNIe : Off
HDMI Black Level : Normal
Advanced Film Mode : Smooth
Blue Only Mode : Off

3 Press the ▲ or ▼ button to select the screen format you want.
Press the **ENTER** button.
Press the **EXIT** button to exit.

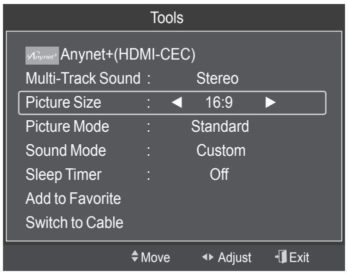
- **16:9** : Sets the picture to 16:9 wide mode.
- **Zoom1** : Magnifies the size of the picture on the screen.
- **Zoom2** : Expands the Zoom1 format picture.
- **Wide Fit** : Enlarges the aspect ratio of the picture to fit the entire screen.
- **4:3** : Sets the picture to 4:3 normal mode.
- **Just Scan** : Use this function to see the full image without any cutoff when HDMI(720p/1080i/1080p), Component(1080i/1080p) or DTV(1080i) signals are input.


Size
16:9
Zoom1
Zoom2
Wide Fit
4:3
Just Scan
▲▼ Move
Enter
Return

➢ When Double (◫, ◫) mode has been set in PIP, the Picture Size cannot be set.

➢ Image retention may occur when viewing a static (non-moving) image on the set for an extended period of time.

➢ **After selecting Zoom1, Zoom2 or Wide Fit**:
Press the ◄ or ► button to select **Position**, then press the **ENTER** button.
Press the ▲ or ▼ button to move the picture up and down.
Reset: Press the ◄ or ► button to select **Reset**, then press the **ENTER** button. You can initialize the setting.


Tools
Anynet+(HDMI-CEC)
Add to Favorite
Switch to Cable
▲▼ Move
◄► Adjust
Exit

Multi-Track Sound : Stereo
Picture Size : ◄ 16:9 ►
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off

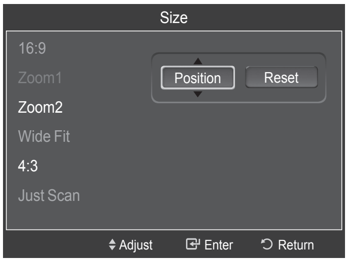
Easy Setting

1 Press the **TOOLS** button on the remote control.

2 Press the ▲ or ▼ button to select **Picture Size**.

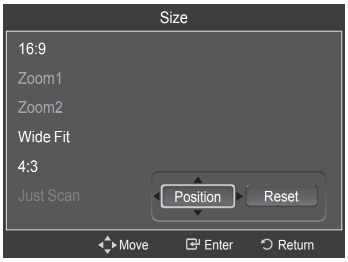
3 Press the ◄ or ► button to select the required option.

4 Press the **EXIT** or **TOOLS** button to exit.


Size
16:9
Zoom1
Position
Reset
Zoom2
Wide Fit
4:3
Just Scan
▲▼ Adjust
Enter
Return

➢ **After selecting "Just Scan" in HDMI (1080i/1080p) or Component (1080i/1080p) mode**:
Press the ◄ or ► button to select **Position**, then press the **ENTER** button.
Press the ▲, ▼, ◄ or ► button to move the picture.
Reset: Press the ◄ or ► button to select **Reset**, then press the **ENTER** button. You can initialize the setting.

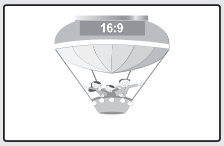
➢ HD (High Definition)
16:9 - 1080i/1080p (1920x1080), 720p (1280x720)


Size
16:9
Zoom1
Zoom2
Wide Fit
4:3
Just Scan
Position
Reset
Move
Enter
Return

➢ Settings can be adjusted and stored for each external device you have connected to an input of the TV.

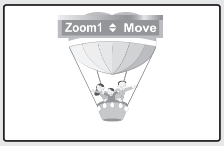
Input Source	Picture Size
ATV, Video, S-Video, Component (480i, 480p)	16:9, Zoom1, Zoom2, 4:3
DTV(1080i), Component (1080i, 1080p), HDMI (720p, 1080i, 1080p)	16:9, 4:3, Wide Fit, Just Scan
PC	16:9, 4:3

Continued...



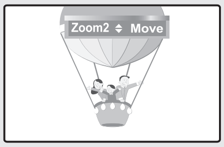
16:9

Sets the picture to 16:9 wide mode.



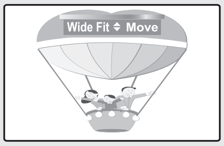
Zoom1

The screen size when Wide screen is vertically enlarged.



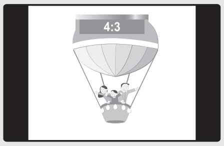
Zoom2

The screen size when the Zoom1 screen is vertically enlarged.



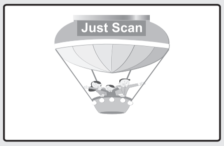
Wide Fit

Enlarges the aspect ratio of the picture to fit the entire screen.



4:3

Sets the picture to 4:3 normal mode.



Just Scan

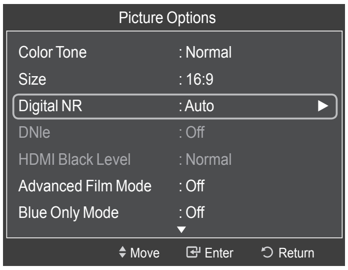
Use this function to see the full image without any cutoff when HDMI(720p/1080i/1080p), Component(1080i/1080p) or DTV(1080i) signals are input.

Digital Noise Reduction

If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

1 Follow the **Activating Picture Options** instructions numbers 1 and 2. (Refer to page 27)

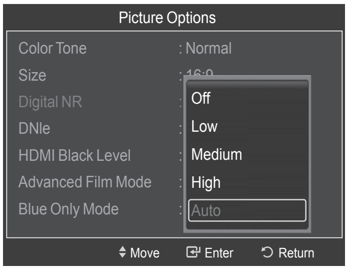
2 Press the ▲ or ▼ button to select **Digital NR**, then press the **ENTER** button.


Picture Options
Color Tone : Normal
Size : 16:9
Digital NR : Auto ▶
DNIe : Off
HDMI Black Level : Normal
Advanced Film Mode : Off
Blue Only Mode : Off

3 Press the ▲ or ▼ button to select **Off**, **Low**, **Medium**, **High** or **Auto**. Press the **ENTER** button.

- **Off:** Turns the screen noise reduction function off.
- **Low:** Reduces screen noise at a low level.
- **Medium:** Reduces screen noise at a medium level.
- **High:** Reduces screen noise at a high level.
- **Auto:** Automatically recognizes and reduces screen noise.

Press the **EXIT** button to exit.


Picture Options
Color Tone : Normal
Size
Digital NR
DNIe
HDMI Black Level
Advanced Film Mode
Blue Only Mode
Off
Low
Medium
High
Auto

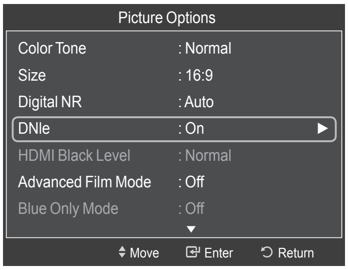
Continued...

DNIe (Digital Natural Image engine)

This TV includes the DNIe function to provide high visual quality. If you set DNIe to on, you can view the screen with the DNIe feature activated.

1 Follow the **Activating Picture Options** instructions numbers 1 and 2. (Refer to page 27)

2 Press the ▲ or ▼ button to select **DNIe**, then press the **ENTER** button.



Picture Options
Color Tone : Normal
Size : 16:9
Digital NR : Auto
DNIe : On ►
HDMI Black Level : Normal
Advanced Film Mode : Off
Blue Only Mode : Off

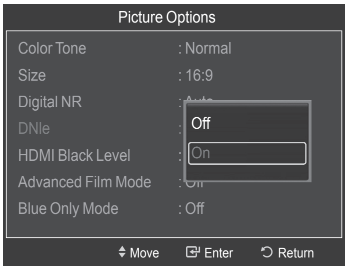
3 Press the ▲ or ▼ button to select **On** or **Off** or then press the **ENTER** button.

- **Off**: Switches off the DNIe mode.
- **On**: Switches on the DNIe mode.

Press the **EXIT** button to exit.

➢ DNIe™ (Digital Natural Image engine)
This feature brings you a more detailed image with 3D noise reduction and detail, contrast and white enhancement.

➢ DNIe is only available in **Dynamic** mode.



Picture Options
Color Tone : Normal
Size : 16:9
Digital NR
DNIe
HDMI Black Level
Advanced Film Mode
Blue Only Mode : Off

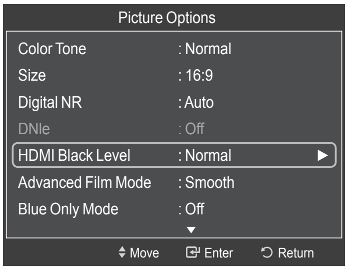
Off
On

Setting the HDMI Black Level

Use this function to adjust the Black Level of the picture while in HDMI mode.

1 Follow the **Activating Picture Options** instructions numbers 1 and 2. (Refer to page 27)

2 Press the ▲ or ▼ button to select **HDMI Black Level**, then press the **ENTER** button.



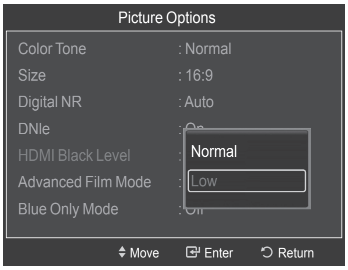
Picture Options
Color Tone : Normal
Size : 16:9
Digital NR : Auto
DNIe : Off
HDMI Black Level : Normal ►
Advanced Film Mode : Smooth
Blue Only Mode : Off

3 Press the ▲ or ▼ button to select **Normal** or **Low**, then press the **ENTER** button.

- **Normal:** The screen gets brighter.
- **Low:** The screen gets darker.

➢ This function is active only when an external device is connected to the TV via HDMI (RGB signals).
HDMI Black Level function may not be compatible with all external devices.

Press the **EXIT** button to exit.



Picture Options
Color Tone : Normal
Size : 16:9
Digital NR : Auto
DNIe
HDMI Black Level
Advanced Film Mode
Blue Only Mode

Normal
Low

Continued...

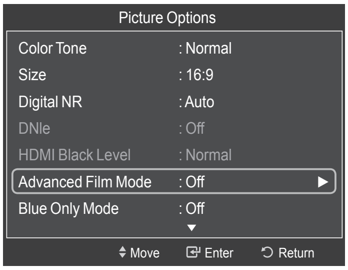
Setting the Advanced Film Mode

The TV can be set to automatically sense and process film signals from all sources and adjust the picture for optimum quality.

1 Follow the **Activating Picture Options** instructions numbers 1 and 2. (Refer to page 27)

2 Press the ▲ or ▼ button to select **Advanced Film Mode**, then press the **ENTER** button.

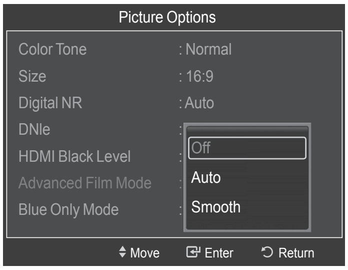
- **Off**: Switches off the DNIe mode.
- **On**: Switches on the DNIe mode.
- **Smooth**: Switches smooth the DNIe mode.



Picture Options
Color Tone : Normal
Size : 16:9
Digital NR : Auto
DNIe : Off
HDMI Black Level : Normal
Advanced Film Mode : Off
Blue Only Mode : Off

3 Press the ▲ or ▼ button to select **Off** or **Auto**, then press the **ENTER** button.
Press the **EXIT** button to exit.

➢ **Advanced Film mode** is supported in TV, Video, S-Video, Component(480i / 1080i) and HDMI(1080i) modes.

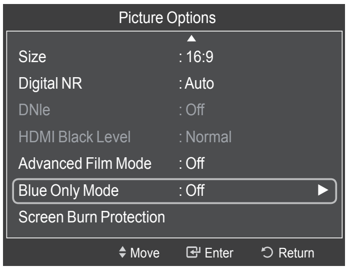


Picture Options
Color Tone : Normal
Size : 16:9
Digital NR : Auto
DNIe
HDMI Black Level
Advanced Film Mode
Blue Only Mode
Off
Auto
Smooth

Setting the Blue Only Mode

This function is for AV device measurement experts. This function displays the blue signal only by removing the red and green signals from the video signal so as to provide a Blue Filter effect that is used to adjust the Color and Tint of video equipment such as DVD players, Home Theaters, etc.
Using this function, you can adjust the Color and Tint to preferred values appropriate to the signal level of each video device using the Red/Green/Blue/Cyan/Magenta/Yellow Color Bar Patterns, without using an additional Blue DLNA Filter.

1 Follow the **Activating Picture Options** instructions numbers 1 and 2. (Refer to page 27)

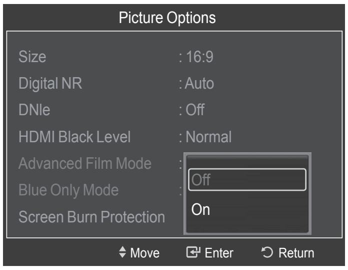


Picture Options
Size : 16:9
Digital NR : Auto
DNIe : Off
HDMI Black Level : Normal
Advanced Film Mode : Off
Blue Only Mode : Off
Screen Burn Protection

2 Press the ▲ or ▼ button to select **Blue Only Mode**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select **Off** or **On**, then press the **ENTER** button.
Press the **EXIT** button to exit.

➢ **Blue Only Mode** is available when the picture mode is set to **Movie** or **Standard**.



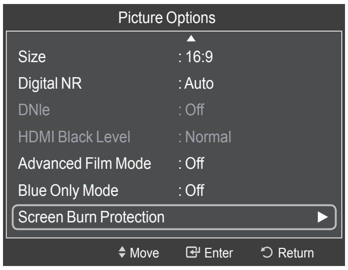
Picture Options
Size : 16:9
Digital NR : Auto
DNIe : Off
HDMI Black Level : Normal
Advanced Film Mode
Blue Only Mode
Screen Burn Protection
Off
On

Continued...

Reducing the Effects of Screen Burn

If screen burn has occurred, you can select a white screen or scrolling to help remove screen burn artifacts.

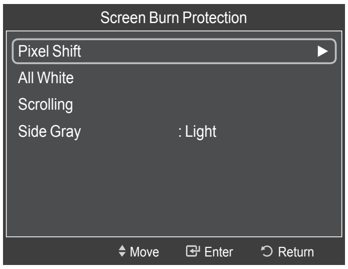
1 Follow the **Activating Picture Options** instructions numbers 1 and 2. (Refer to page 27)



Picture Options

Size : 16:9
Digital NR : Auto
DNIe : Off
HDMI Black Level : Normal
Advanced Film Mode : Off
Blue Only Mode : Off
Screen Burn Protection

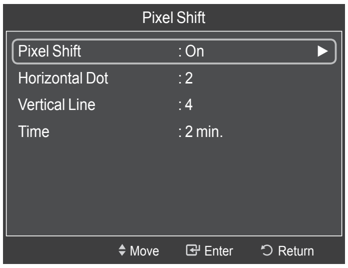
2 Press the ▲ or ▼ button to select **Screen Burn Protection**, then press the **ENTER** button.



Screen Burn Protection

Pixel Shift
All White
Scrolling
Side Gray : Light

3 Press the ▲ or ▼ button to select **Pixel Shift**, **All White**, **Scrolling**, or **Side Gray** then press the **ENTER** button.
Press the **EXIT** button to exit.



Pixel Shift

Pixel Shift : On
Horizontal Dot : 2
Vertical Line : 4
Time : 2 min.

- **All White**
  This function removes after-images on the screen by changing the color of pixels to white. Use this function when there are remaining after-images or symbols on the screen, especially when you displayed a still image on the screen for a long time.
- **Scrolling**
  This function removes after-images on the screen by moving all the pixels on the PDP according to a pattern. Use this function when there are remaining after-images or symbols on the screen, especially when you displayed a still image on the screen for a long time.
- **Side Gray**
  When you watch TV with the screen ratio of 4:3, the screen is prevented from any damage by adjusting the white balance on both extreme left and right sides.
  To prevent the screen burn from happening, select Dark or Light.

- **Dark:** When you set the screen ratio to 4:3, it darkens the left and right sides.
- **Light:** When you set the screen ratio to 4:3, it brightens the left and right sides.

➢ To remove after-images on the screen, use either the **All White** or **Scrolling** function. Although both functions remove after-images on the screen, **Scrolling** is more effective.

➢ The after-image removal function has to be executed for a long time (approximately 1 hour) to effectively remove after-images on the screen. If the after-image is not removed after performing the function, repeat the function again.

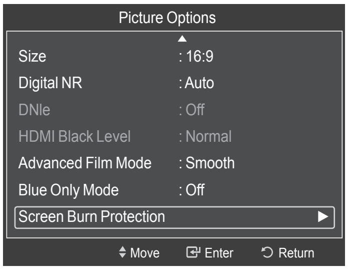
➢ Press any key on the remote control to cancel this feature.

Continued...

Preventing Screen Burn-in

To reduce the possibility of screen burn, this unit is equipped with screen burn prevention technology. This technology enables you to set picture movement up/down (Vertical Line) and side to side (Horizontal Dot).
The Time setting allows you to program the time between movement of the picture in minutes.

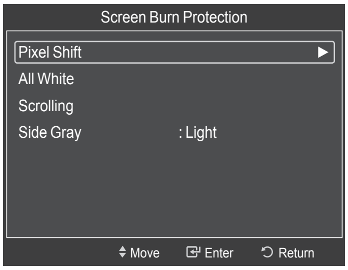
1 Follow the **Activating Picture Options** instructions numbers 1 and 2.
(Refer to page 27)



Picture Options

Size : 16:9
Digital NR : Auto
DNIe : Off
HDMI Black Level : Normal
Advanced Film Mode : Smooth
Blue Only Mode : Off
Screen Burn Protection ▶

2 Press the ▲ or ▼ button to select **Screen Burn Protection**, then press the **ENTER** button.

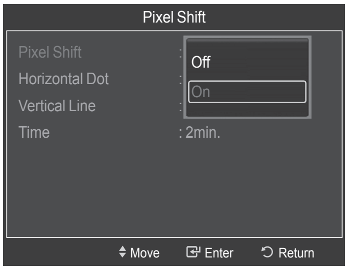


Screen Burn Protection

Pixel Shift ▶
All White
Scrolling
Side Gray : Light

3 Press the **ENTER** button to select **Pixel Shift**, then press the **ENTER** button.
Pressing the ▲ or ▼ button will alternate between **On** and **Off**.
You will also see the items **Horizontal Dot**, **Vertical Line** and **Time**.

- **Pixel Shift:** Using this function, you can minutely move pixels on the PDP in the horizontal or vertical direction to prevent after-images on the screen.



Pixel Shift

Pixel Shift :
Horizontal Dot :
Vertical Line :
Time : 2min.

Off
On

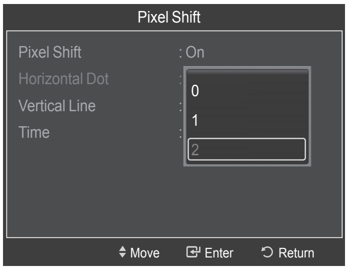
4 Press the ▲ or ▼ button to select the item you wish to change, then press the **ENTER** button.
Press the ▲ or ▼ button to change the value of the item, then press the **ENTER** button.

- Optimum condition for pixel shift;

	PC	TV/AV1/AV2/S-Video/Component/HDMI
Horizontal Dot	2	2
Vertical Line	4	4
Time(min)	2 min.	2 min.

This function is not available in the **Just Scan** mode.

Press the **EXIT** button to exit.
Is necesary to adjust each mode separately (TV/AV1/AV2/S-Video/Component/HDMI).

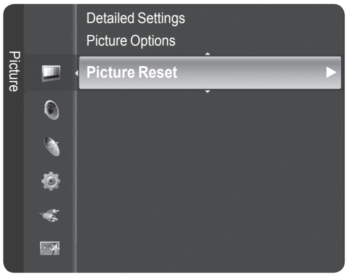


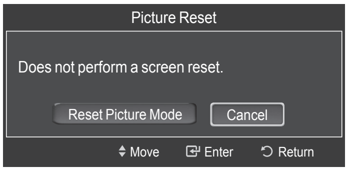
Pixel Shift

Pixel Shift : On
Horizontal Dot :
Vertical Line :
Time :

0
1
2

Resetting the Picture Settings to the Factory Defaults


Picture
Detailed Settings
Picture Options
Picture Reset


Picture Reset

Does not perform a screen reset.

Reset Picture Mode
Cancel
Move
Enter
Return

1 To select the desired picture mode, follow the **Changing the Picture Standard** instructions numbers 1 and 2. (see page 23)

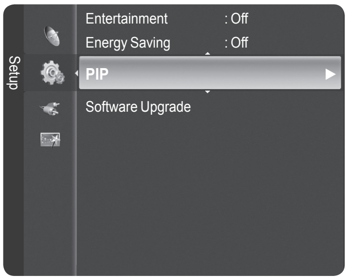
2 Press the ▲ or ▼ button to select **Picture Reset**, then press the **ENTER** button.
Press the ◄ or ► button to select **Reset Picture Mode** or **Cancel** then press the **ENTER** button.
Press the **EXIT** button to exit.

➢ Each mode can be reset.

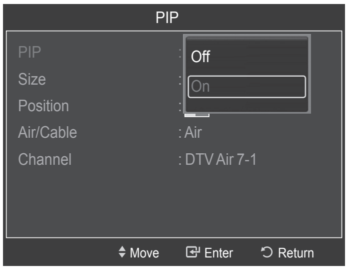
Viewing Picture-in-Picture

You can use the PIP feature to simultaneously watch the TV tuner and one external video source. (See page 40 to select the PIP picture sound.)
This product has one built-in tuner, which does not allow PIP to function in the same mode.
Please see 'PIP Settings' below for details.

Activating Picture-in-Picture


Setup
PIP
Software Upgrade

Entertainment : Off
Energy Saving : Off


PIP
PIP
Size
Position
Off
On
Move
Enter
Return

Air/Cable : Air
Channel : DTV Air 7-1

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **PIP**, then press the **ENTER** button.

2 Press the **ENTER** button again.
Press the ▲ or ▼ button to select **On**, then press the **ENTER** button.

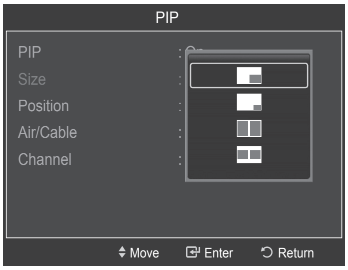
➢ If you turn the TV off while watching in PIP mode and turn it on again, the PIP window will disappear.

➢ You can view TV broadcasts on the PIP screen (sub-picture) when the main picture is from an external device connected to HDMI 1,HDMI2/DVI, HDMI 3, HDMI 4, Component 1, 2 or PC.

➢ **PIP Settings**

Main picture	Sub picture
Component 1, 2 HDMI 1, HDMI2/DVI, HDMI 3, HDMI 4 PC	TV

Changing the Size of the PIP Window


PIP
PIP
Size
Position
Air/Cable
Channel
Move
Enter
Return

3 Press the ▲ or ▼ button to select **Size**, then press the **ENTER** button.
Press the ▲ or ▼ button to select the desired size of the PIP window, then press the **ENTER** button.

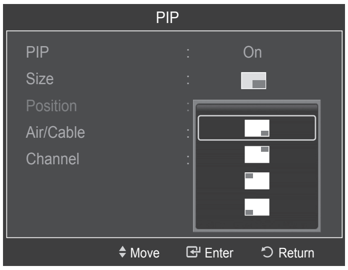
➢ You may notice that the picture in the PIP window becomes slightly unnatural when you use the main picture to view a game or karaoke.

Continued...

Changing the Position of the PIP Window

4 Press the ▲ or ▼ button to select **Position**, then press the **ENTER** button. Press the ▲ or ▼ button to select the desired PIP window position, then press the **ENTER** button.

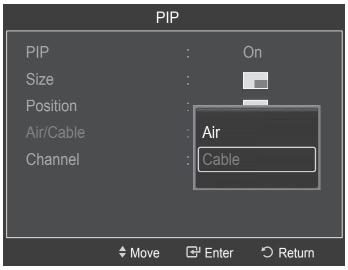
➢ In Double Window (◫) and Double Wide (◫) modes, Position cannot be selected.


PIP
PIP : On
Size :
Position :
Air/Cable :
Channel :

Air/Cable

5 Press the ▲ or ▼ button select **Air/Cable**, then press the **ENTER** button. Press the ▲ or ▼ button to select **Air** or **Cable**, then press the **ENTER** button.

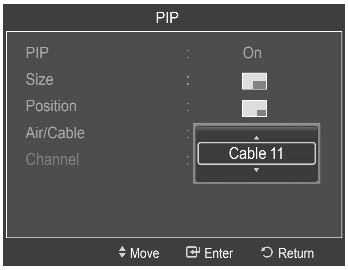
➢ **Air**: **Air** antenna signal.
Cable: **Cable** antenna signal.


PIP
PIP : On
Size :
Position :
Air/Cable : Air / Cable
Channel :

Changing the PIP Channel

6 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button. Press the ▲ or ▼ button at the bottom of the remote to select the desired channel in the PIP window, then press the **ENTER** button. Press the **EXIT** button to exit.

➢ You can select TV on the PIP screen (sub-picture).


PIP
PIP : On
Size :
Position :
Air/Cable :
Channel : Cable 11

Easy Setting

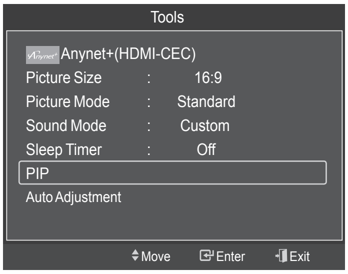
1 Press the **TOOLS** button on the remote control.

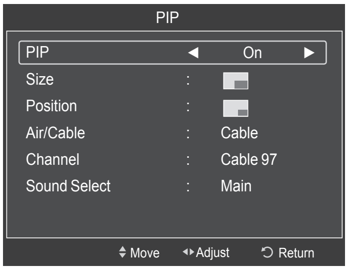
2 Press the ▲ or ▼ button to select **PIP**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select a particular item.

4 Press the ◀ or ▶ button to select the required option.

5 Press the **EXIT** or **TOOLS** button to exit.


Tools
Anynet+(HDMI-CEC)
Picture Size : 16:9
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
PIP
Auto Adjustment

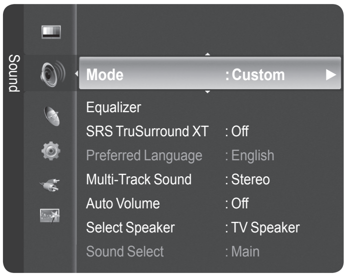

PIP
PIP ◀ On ▶
Size :
Position :
Air/Cable : Cable
Channel : Cable 97
Sound Select : Main

Sound Control

Changing the Sound Standard

You can select the sound mode to best suit the programming you're watching.

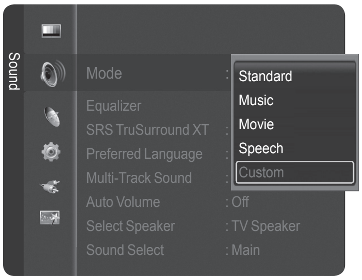
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** button.


Sound
Mode : Custom
Equalizer
SRS TruSurround XT : Off
Preferred Language : English
Multi-Track Sound : Stereo
Auto Volume : Off
Select Speaker : TV Speaker
Sound Select : Main

2 Press the **ENTER** button to select **Mode**. Press the ▲ or ▼ button to select **Standard**, **Music**, **Movie**, **Speech**, or **Custom** sound setting, then press the **ENTER** button.

Press the **EXIT** button to exit.

- **Standard**: Selects the normal sound mode.
- **Music**: Emphasizes music over voices.
- **Movie**: Provides the best sound for movies.
- **Speech**: Emphasizes voice over other sounds.
- **Custom**: Recalls your customized sound settings. (see Customizing the Sound)


Sound
Mode :
Equalizer
SRS TruSurround XT
Preferred Language
Multi-Track Sound
Auto Volume : Off
Select Speaker : TV Speaker
Sound Select : Main
Standard
Music
Movie
Speech
Custom

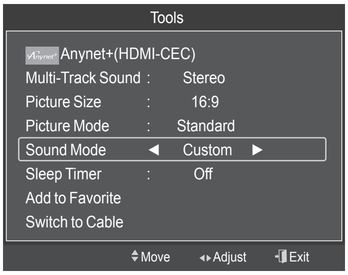
Easy Setting

1 Press the **TOOLS** button on the remote control.

2 Press the ▲ or ▼ button to select **Sound Mode**.

3 Press the ◄ or ► button to select the required option.

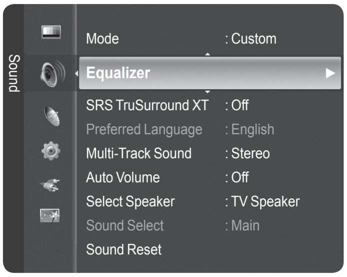
4 Press the **EXIT** or **TOOLS** button to exit.


Tools
Anynet+(HDMI-CEC)
Multi-Track Sound : Stereo
Picture Size : 16:9
Picture Mode : Standard
Sound Mode ◄ Custom ►
Sleep Timer : Off
Add to Favorite
Switch to Cable
Move Adjust Exit

Customizing the Sound

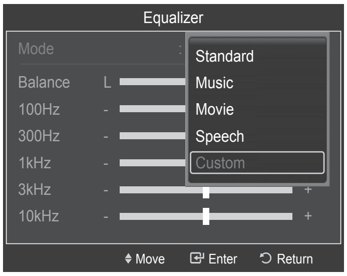
The sound settings can be adjusted to suit your personal preference.

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** button.

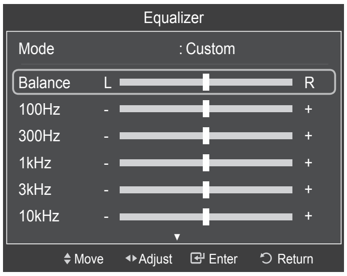

Sound
Mode : Custom
Equalizer
SRS TruSurround XT : Off
Preferred Language : English
Multi-Track Sound : Stereo
Auto Volume : Off
Select Speaker : TV Speaker
Sound Select : Main
Sound Reset

2 Press the ▲ or ▼ button to select **Equalizer**, then press the **ENTER** button.

3 Press the **ENTER** button to select **Mode**.
Press the ▲ or ▼ button to select a particular item (**Standard, Music, Movie, Speech, Custom**), then press the **ENTER** button.


Equalizer
Mode :
Balance L
100Hz -
300Hz -
1kHz -
3kHz - +
10kHz - +
Standard
Music
Movie
Speech
Custom
Move Enter Return

Continued...

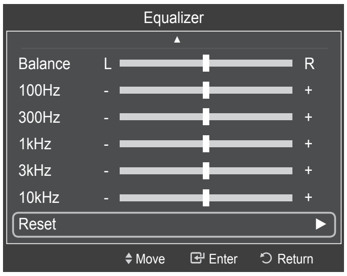

Equalizer
Balance
L
R
100Hz
300Hz
1kHz
3kHz
10kHz
-
+
Move
Adjust
Enter
Return

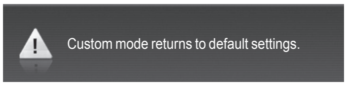
Mode : Custom

4 Press the ▲ or ▼ button to select a particular frequency to adjust.
Press the ◄ or ► button to increase or decrease the level of the particular frequency.

- **Mode**: Selects the sound mode among the predefined settings.
- **Balance L/R**: Adjusts the balance between the right and left speaker.
- **Bandwidth Adjustment (100Hz, 300Hz, 1kHz, 3kHz, 10kHz)**: To adjust the level of different bandwidth frequencies.

Resetting the Equalizer Settings to the Factory Defaults


Equalizer
Balance
L
R
100Hz
300Hz
1kHz
3kHz
10kHz
-
+
Reset
Move
Enter
Return



Custom mode returns to default settings.

5 Press the ▲ or ▼ button to select **Reset**, then press the **ENTER** button.

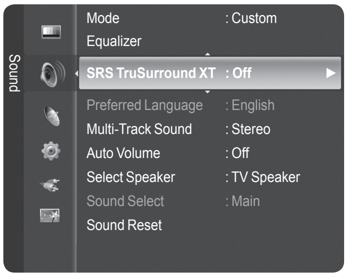
➢ The equalizer resets to the factory defaults.

Press the **EXIT** button to exit.

Setting the TruSurround XT

TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two-speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multi channel formats.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** button.

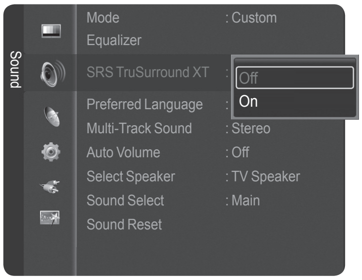

Sound
Equalizer
Sound Reset

Mode : Custom
SRS TruSurround XT : Off
Preferred Language : English
Multi-Track Sound : Stereo
Auto Volume : Off
Select Speaker : TV Speaker
Sound Select : Main

2 Press the ▲ or ▼ button to select **SRS TruSurround XT**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select **Off** or **On**, then press the **ENTER** button.

Press the **EXIT** button to exit.


Sound
Equalizer
SRS TruSurround XT
Off
On
Sound Reset

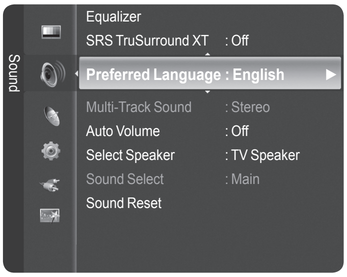
Mode : Custom
Preferred Language
Multi-Track Sound : Stereo
Auto Volume : Off
Select Speaker : TV Speaker
Sound Select : Main

TruSurround XT, SRS and ◉ Symbol are trademarks of SRS Labs, Inc.
TruSurround XT technology is incorporated under license from SRS Labs, Inc.

Choosing Preferred Language

The digital-TV transmission system is capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the program into foreign languages).

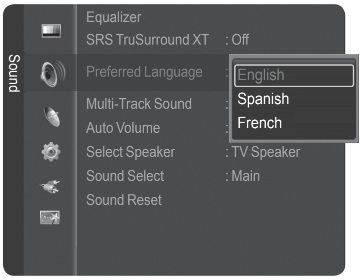
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** button.



Equalizer
SRS TruSurround XT : Off
Preferred Language : English ►
Multi-Track Sound : Stereo
Auto Volume : Off
Select Speaker : TV Speaker
Sound Select : Main
Sound Reset

2 Press the ▲ or ▼ button to select **Preferred Language**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to choose the language (**English**, **Spanish**, or **French**) you want, then press the **ENTER** button.



Equalizer
SRS TruSurround XT : Off
Preferred Language : English
Spanish
French
Multi-Track Sound
Auto Volume
Select Speaker : TV Speaker
Sound Select : Main
Sound Reset

Press the **EXIT** button to exit.

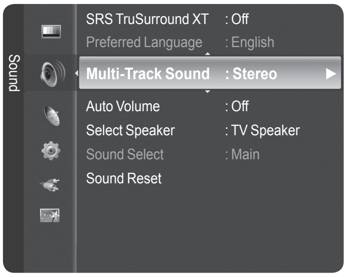
➢ You can only select the language from among the actual languages being broadcast.

➢ **Preferred Language** is available only in Digital TV mode.

Choosing a Multi-Channel Sound (MTS) Track

Depending on the particular program being broadcast, you can listen to Mono, Stereo or SAP.

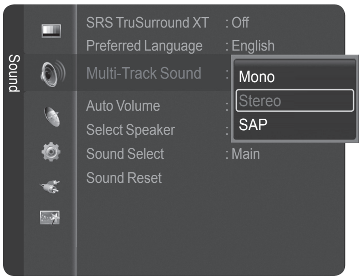
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** button.



SRS TruSurround XT : Off
Preferred Language : English
Multi-Track Sound : Stereo ►
Auto Volume : Off
Select Speaker : TV Speaker
Sound Select : Main
Sound Reset

2 Press the ▲ or ▼ button to select **Multi-Track Sound**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select a setting you want, then press the **ENTER** button.



SRS TruSurround XT : Off
Preferred Language : English
Multi-Track Sound : Mono
Stereo
SAP
Auto Volume
Select Speaker
Sound Select : Main
Sound Reset

Press the **EXIT** button to exit.

- **Mono**: Choose for channels that are broadcasting in mono or if you are having a difficulty receiving a stereo signal.
- **Stereo**: Choose for channels that are broadcasting in stereo.
- **SAP**: Choose to listen to the Secundary Audio Program, which is usually a foreign language translation.

➢ **Multi-Track Sound** is available only in Analog TV mode.

➢ Depending on the particular program being broadcast, you can listen to **Mono**, **Stereo** or **SAP**.

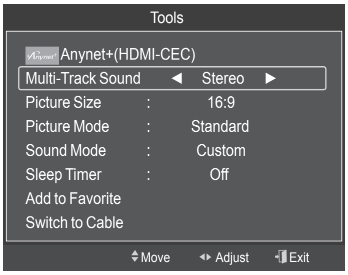
Easy Setting

1 Press the **TOOLS** button on the remote control.

2 Press the ▲ or ▼ button to select **Multi-Track Sound**.

3 Press the ◄ or ► button to select the required option.

4 Press the **EXIT** or **TOOLS** button to exit.

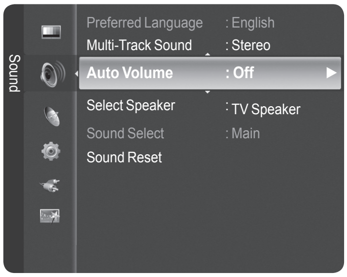


Anynet+(HDMI-CEC)
Multi-Track Sound ◄ Stereo ►
Picture Size : 16:9
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
Add to Favorite
Switch to Cable

Automatic Volume Control

Reduces the difference in volume level among broadcasters.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** button.

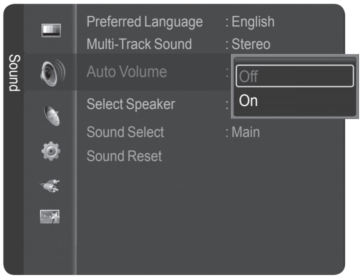


Preferred Language : English
Multi-Track Sound : Stereo
Auto Volume : Off
Select Speaker : TV Speaker
Sound Select : Main
Sound Reset

2 Press the ▲ or ▼ button to select **Auto Volume**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select **Off** or **On**, then press the **ENTER** button.

Press the **EXIT** button to exit.

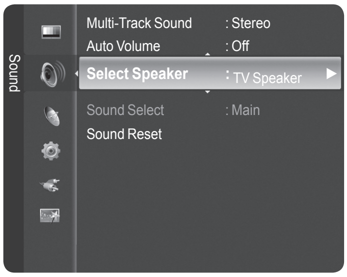


Preferred Language : English
Multi-Track Sound : Stereo
Auto Volume : Off
On
Select Speaker
Sound Select : Main
Sound Reset

Setting the Speaker

You can set to have sound output from the TV's internal speakers or from external speakers connected to your sound system.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** button.



Multi-Track Sound : Stereo
Auto Volume : Off
Select Speaker : TV Speaker
Sound Select : Main
Sound Reset

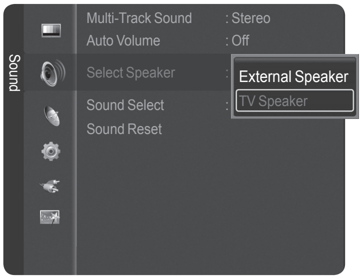
2 Press the ▲ or ▼ button to select **Select Speaker**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select **External Speaker** or **TV Speaker**, then press the **ENTER** button.

Press the **EXIT** button to exit.

➢ When **Select Speaker** is set to **External Speaker**, you can operate only **Preferred Language**(in digital TV mode), **Multi-Track Sound**(in analog TV mode), **Sound Select**(in PIP mode) and **Sound Reset** in Sound menu.

➢ The **VOL** [+], **VOL** [−] and **MUTE** buttons do not operate when the **Select Speaker** is set to **External Speaker**.



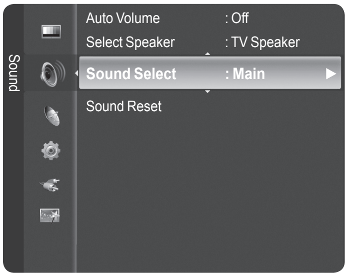
Multi-Track Sound : Stereo
Auto Volume : Off
Select Speaker
External Speaker
TV Speaker
Sound Select
Sound Reset

	TV's Internal Speakers			Audio Out (Optical, L/R Out) to Sound System		
	TV	**AV, S-Video**	**Component, PC, HDMI**	**TV**	**AV, S-Video**	**Component, PC, HDMI**
TV Speaker	Speaker Output	Speaker Output	Speaker Output	Sound Output	Sound Output	Sound Output
External Speaker	Mute	Mute	Mute	Sound Output	Sound Output	Sound Output
Video No Signal	Mute	Mute	Mute	Mute	Mute	Mute

Listening to the Sound of the Sub (PIP) Picture

When the PIP feature is activated, you can listen to the sound of the sub (PIP) picture.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** button.



Auto Volume : Off
Select Speaker : TV Speaker
Sound Select : Main ►
Sound Reset

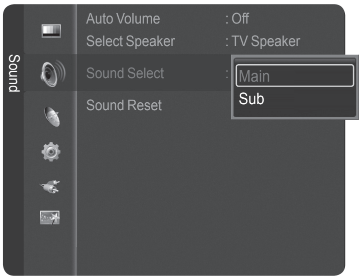
2 Press the ▲ or ▼ button to select **Sound Select**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select **Main** or **Sub**, then press the **ENTER** button.

Press the **EXIT** button to exit.

- **Main**: Used to listen to the sound of the main picture.
- **Sub**: Used to listen to the sound of the sub picture.

➢ You can select this option when **PIP** is set to **On**. (See page 34)

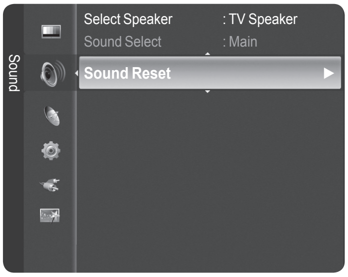


Auto Volume : Off
Select Speaker : TV Speaker
Sound Select :
Sound Reset

Resetting the Sound Settings to the Factory Defaults

You can restore the Sound settings to the factory defaults.

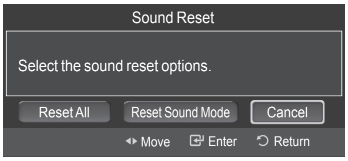
1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Sound Reset**, then press the **ENTER** button.



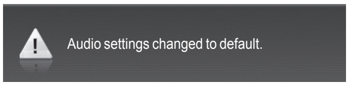
Select Speaker : TV Speaker
Sound Select : Main
Sound Reset ►

2 Press the ◄ or ► button to select **Reset All**, **Reset Sound Mode**, or **Cancel**, then press the **ENTER** button.

- **Reset All:** All the sound values return to default settings.
- **Reset Sound Mode:** Currently set values return to default settings.
- **Cancel:** Select the sound reset options.

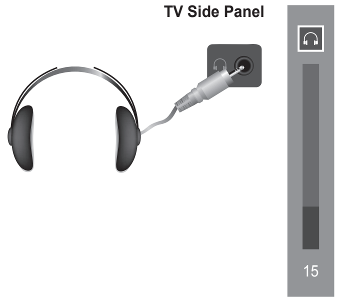


Select the sound reset options.


Audio settings changed to default.

Connecting Headphones (Sold separately)

You can connect a set of headphones to your set if you wish to watch a TV program without disturbing other people in the room.



➢ When you insert the headphone’s plug into the headphone jack, you can operate only **Preferred Language** (in digital TV mode), **Multi-Track Sound** (in analog TV mode), **Auto Volume**, **Sound Select** (in PIP mode) and **Sound Reset** in Sound menu.

➢ Prolonged use of headphones at a high volume may damage your hearing.

➢ You will not hear sound from the speakers when you connect headphones to the TV.

➢ The headphone volume and TV volume are adjusted separately.

➢ Press the **VOL** [+], [−] button to adjust the headphone's volume.

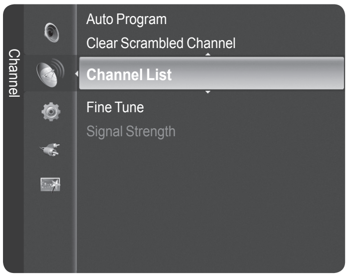
Channel Control

Managing Channels

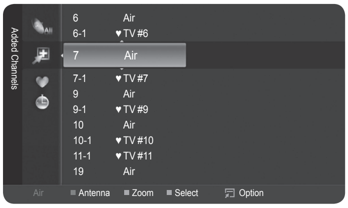
Using this menu, you can Add/Delete or set Favorite channels and use the program guide for digital broadcasts.

Viewing All Channels

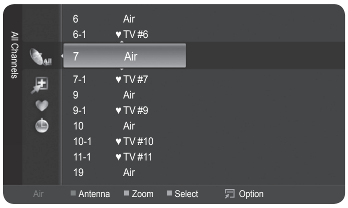
Show all currently available channels. To use the Channel List function, first run Auto Program (see page 21).


Channel
Auto Program
Clear Scrambled Channel
Channel List
Fine Tune
Signal Strength

1. Press the **MENU** button.
   Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
   Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.

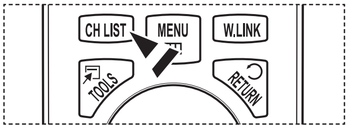

Added Channels
6 Air
6-1 ♥TV #6
7 Air
7-1 ♥TV #7
9 Air
9-1 ♥TV #9
10 Air
10-1 ♥TV #10
11-1 ♥TV #11
19 Air
Air
Antenna
Zoom
Select
Option

2. Press the ◄ button to select **Added Channels**.


All Channels
6 Air
6-1 ♥TV #6
7 Air
7-1 ♥TV #7
9 Air
9-1 ♥TV #9
10 Air
10-1 ♥TV #10
11-1 ♥TV #11
19 Air
Air
Antenna
Zoom
Select
Option

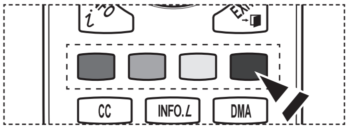
3. Press the ▲ or ▼ button to select **All Channels**, then press the **ENTER** button.
   ➢ Shows all currently available channels.

4. Press the ▲ or ▼ button to select a channel to view, then press the **ENTER** button.


CH LIST
MENU
W.LINK
TOOLS
RETURN

Press the **CH LIST** button on the remote control to bring up the channel lists.

Using the Color buttons on the Remote with the Channel List


CC
INFO.i
DMA

- **Red (Antenna)**: Switches to DTV air or DTV cable.
- **Green (Zoom)**: Enlarges or shrinks a channel number.
- **Yellow (Select)**: Selects multiple channel lists.
- **(TOOLS) Option**: Displays the Add (or Delete), Add to Favorite (or Delete from Favorite), Timer Viewing, Channel Name Edit, Select All and Auto Program menus.

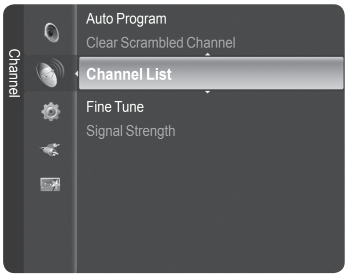
➢ A gray-colored channel indicates the channel has been deleted. The **Add** menu only appears for deleted channels.
➢ A channel marked with ♥ mark means the channel has been set as a Favorite. The **Delete from Favorite** menu only appears for channels with the ♥ mark.

Continued...

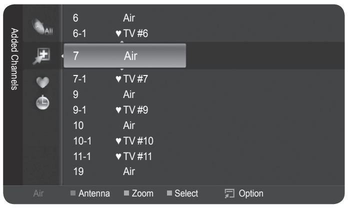
Erasing and Adding Channels

You can delete or add a channel to display the channels you want.

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.


Channel
Auto Program
Clear Scrambled Channel
Channel List
Fine Tune
Signal Strength

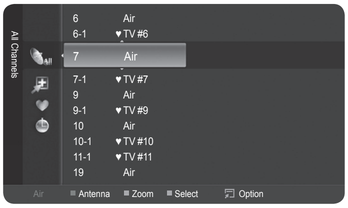
2 Press the ◄ button to select **Added Channels**.


Added Channels
All
6 Air
6-1 ♥TV #6
7 Air
7-1 ♥TV #7
9 Air
9-1 ♥TV #9
10 Air
10-1 ♥TV #10
11-1 ♥TV #11
19 Air
Air
Antenna
Zoom
Select
Option

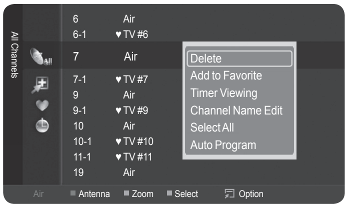
3 Press the ▲ or ▼ button to select **All Channels**.

➢ Shows all currently available channels.

Press the **ENTER** button.


All Channels
All
6 Air
6-1 ♥TV #6
7 Air
7-1 ♥TV #7
9 Air
9-1 ♥TV #9
10 Air
10-1 ♥TV #10
11-1 ♥TV #11
19 Air
Air
Antenna
Zoom
Select
Option

4 Press the ▲ or ▼ button to select a channel to delete, then press the **TOOLS** button.


All Channels
All
6 Air
6-1 ♥TV #6
7 Air
7-1 ♥TV #7
9 Air
9-1 ♥TV #9
10 Air
10-1 ♥TV #10
11-1 ♥TV #11
19 Air
Delete
Add to Favorite
Timer Viewing
Channel Name Edit
Select All
Auto Program
Air
Antenna
Zoom
Select
Option

5 Press the **ENTER** button to select **Delete**.

➢ All deleted channels will be shown on **All Channels** menu.

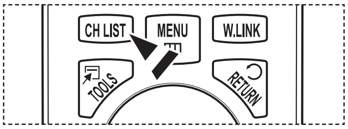
6 Press the **EXIT** button to exit.

➢ You can also add a channel to the **Added Channels** menu in the same manner.

➢ A channel must be deleted before it can be added back to the **Added Channels** list.

➢ To Add (Restore) a channel back to the Added Channel List, follow steps 1-3 above, press the ▲ or ▼ button to select a channel to add, the press the **TOOLS** button. Press the **ENTER** button to select Add.

Press the **CH LIST** button on the remote control to bring up the channel lists.

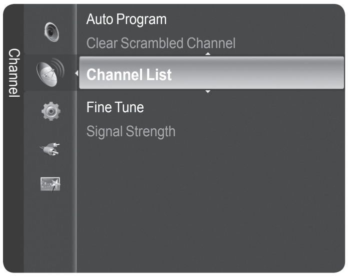

CH LIST
MENU
W.LINK
TOOLS
RETURN

Continued...

Setting Your Favorite Channels

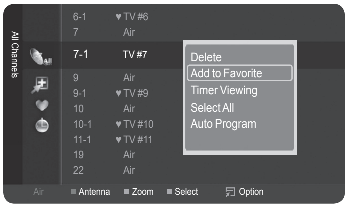
You can set channels you watch frequently as favorites.

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.


Channel
Auto Program
Clear Scrambled Channel
Channel List
Fine Tune
Signal Strength

2 Press the ◄ button to select **Added Channels**.

3 Press the ▲ or ▼ button to select **All Channels**, then press the **ENTER** button.
Shows all currently available channels.


All Channels
6-1 ♥TV #6
7 Air
7-1 TV #7
9 Air
9-1 ♥TV #9
10 Air
10-1 ♥TV #10
11-1 ♥TV #11
19 Air
22 Air
Delete
Add to Favorite
Timer Viewing
Select All
Auto Program
Air
Antenna
Zoom
Select
Option

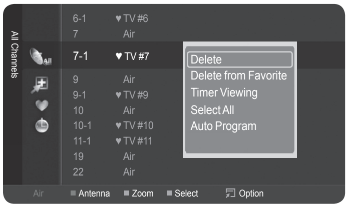
4 Press the ▲ or ▼ button to select a channel as a favorite channel, then press the **TOOLS** button.

➢ **Adding multiple channels to Favorites**

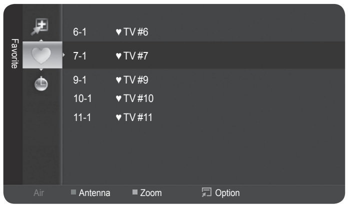
Press the ▲ or ▼ button to select the desired channel in the channel list. Then press the yellow button. Repeat the above operation to select multiple channels. The (✓) mark appears to the left of the selected channels.

Press the ▲ or ▼ button to select **Select All**. The (✓) mark appears to the left of all channels.

5 Press the ▲ or ▼ button to select **Add to Favorite**, then press the **ENTER** button.
The "♥" symbol will be displayed and the channel will be set as a favorite.


All Channels
6-1 ♥TV #6
7 Air
7-1 ♥TV #7
9 Air
9-1 ♥TV #9
10 Air
10-1 ♥TV #10
11-1 ♥TV #11
19 Air
22 Air
Delete
Delete from Favorite
Timer Viewing
Select All
Auto Program
Air
Antenna
Zoom
Select
Option

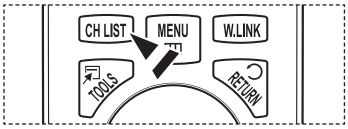
6 To cancel your favorite channel selection, press the **TOOLS** button when a favorite channel is selected. Press the ▲ or ▼ button to select **Delete from Favorite**, then press the **ENTER** button. The channel is deleted from Favorites and the "♥" mark disappears.
Press the **EXIT** button to exit.


Favorite
6-1 ♥TV #6
7-1 ♥TV #7
9-1 ♥TV #9
10-1 ♥TV #10
11-1 ♥TV #11
Air
Antenna
Zoom
Option

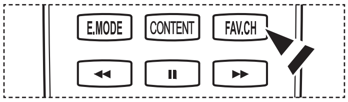
➢ You can also Add or Delete a channel from Favorites in the **Added Channels** menu in the same manner.

➢ All favorite channels will be shown on **Favorite** menu.

Press the **CH LIST** button on the remote control to bring up the channel lists.


CH LIST
MENU
W.LINK
TOOLS
RETURN

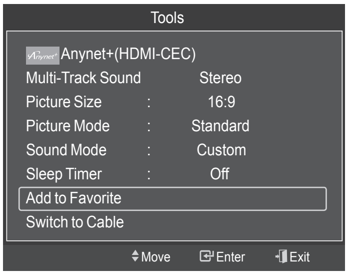
To select the favorite channels you have set up, press the **FAV.CH** button on the remote control.


E.MODE
CONTENT
FAV.CH

Easy Setting

1 Press the **TOOLS** button on the remote control.
2 Press the ▲ or ▼ button to select **Add to Favorite** or **Delete from Favorite**, then press the **ENTER** button.

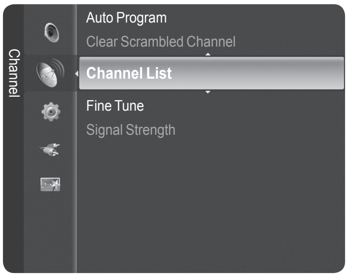
➢ The current channel is added to or deleted from Favorites.


Tools
Anynet+(HDMI-CEC)
Multi-Track Sound Stereo
Picture Size : 16:9
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
Add to Favorite
Switch to Cable
Move
Enter
Exit

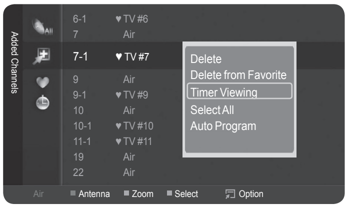
Continued...

Reserving a Program (Time Viewing)

If you reserve a program you want to watch, the channel is automatically switched to the reserved channel in the Channel List; even when you are watching another channel.
To reserve a program, set the current time first. See pages 52~53. Reserved channels can only be set if they are in the Channel List (See page 41).

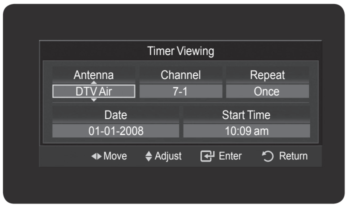

Channel
Auto Program
Clear Scrambled Channel
Channel List
Fine Tune
Signal Strength

1. Press the **MENU** button.
   Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
   Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.


Added Channels
6-1 ♥TV #6
7 Air
7-1 ♥TV #7
9 Air
9-1 ♥TV #9
10 Air
10-1 ♥TV #10
11-1 ♥TV #11
19 Air
22 Air
Delete
Delete from Favorite
Timer Viewing
Select All
Auto Program
Air
Antenna
Zoom
Select
Option

2. Press the ▲ or ▼ button to select a channel, then press the **TOOLS** button.

3. Press the ▲ or ▼ button to select **Timer Viewing**, then press the **ENTER** button.
   The Reserve a Program (Timer Viewing) screen appears.


Timer Viewing
Move
Adjust
Enter
Return

Antenna: DTV Air
Channel: 7-1
Repeat: Once
Date: 01-01-2008
Start Time: 10:09 am

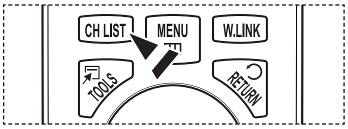
4. Press the ▲/▼/◄/► buttons to reserve a program and then press the **ENTER** button.
   Reserving a program has been completed.
   Press the **EXIT** button to exit.

   ➢ You can also reserve a program in the **All Channels** or **Favorite** menus using the same procedures.

   ➢ For information on how to confirm a viewing reservation, refer to page 45. Only memorized channels can be reserved channels.

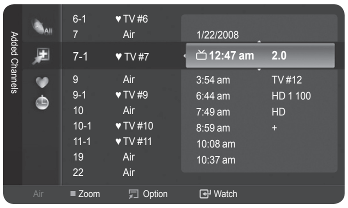
   ➢ You can set the channel, month, day, year, hour and minute directly by pressing the number buttons on the remote control.

Press the **CH LIST** button on the remote control to bring up the channel lists.


CH LIST
MENU
W.LINK
TOOLS
RETURN

Digital Program Guide and Viewing Reservation

When a digital channel is selected, and you press the ► button, the Program Guide for the channel appears. You can reserve a program according to the procedures described above.


Added Channels
6-1 ♥TV #6
7 Air
7-1 ♥TV #7
9 Air
9-1 ♥TV #9
10 Air
10-1 ♥TV #10
11-1 ♥TV #11
19 Air
22 Air
1/22/2008
12:47 am 2.0
3:54 am TV #12
6:44 am HD 1 100
7:49 am HD
8:59 am +
10:08 am
10:37 am
Air
Zoom
Option
Watch

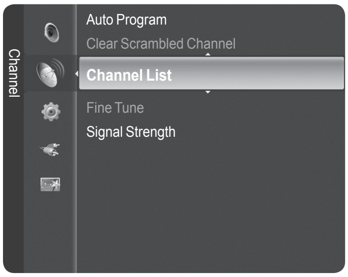
📺 : A program currently being broadcast.

🕒 : A reserved program.

Continued...

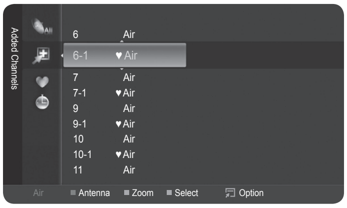
Confirming a Viewing Reservation

You can view, modify or delete a reservation.


Channel
Auto Program
Clear Scrambled Channel
Channel List
Fine Tune
Signal Strength

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.

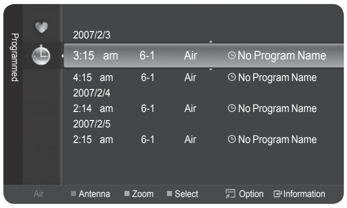
2 Press the ◄ button to select **Added Channels**.


Added Channels
All
6 Air
6-1 ♥Air
7 Air
7-1 ♥Air
9 Air
9-1 ♥Air
10 Air
10-1 ♥Air
11 Air
Air
Antenna
Zoom
Select
Option

3 Press the ▲ or ▼ button to select **Programmed**, then press the **ENTER** button.
You can view the program reservations.

➢ Shows all current reserved programs.

Modifying a viewing reservation

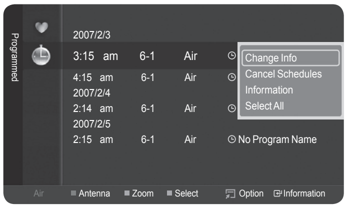

Programmed
2007/2/3
3:15 am 6-1 Air No Program Name
4:15 am 6-1 Air No Program Name
2007/2/4
2:14 am 6-1 Air No Program Name
2007/2/5
2:15 am 6-1 Air No Program Name
Air
Antenna
Zoom
Select
Option
Information

4 To select a reservation item to be modified, press the ▲ or ▼ button and then press the **TOOLS** button.

5 Press the **ENTER** button to select **Change Info**.

6 Press the ▲/▼/◄/► buttons to change a reservation setting and then press the **ENTER** button.
The reservation modification is applied.

Canceling a reservation


Programmed
2007/2/3
3:15 am 6-1 Air
4:15 am 6-1 Air
2007/2/4
2:14 am 6-1 Air
2007/2/5
2:15 am 6-1 Air No Program Name
Change Info
Cancel Schedules
Information
Select All
Air
Antenna
Zoom
Select
Option
Information

4 To select a reservation item to be canceled, press the ▲ or ▼ button, andthen press the **TOOLS** button.

5 Press the ▲ or ▼ button to select **Cancel Schedules**, then press the **ENTER** button.

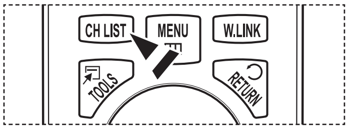
6 Press the ◄ or ► button to select **OK**, then press the **ENTER** button.
The viewing reservation has been canceled.

Press the **EXIT** button to exit.

Programmed Menu

- **Change Info**: Select to change a viewing reservation.
- **Cancel Schedules**: Select to cancel a viewing reservation.
- **Information**: Select to view a viewing reservation.
- **Select All/Deselect All**: You can select(or Deselect) all channels in the channel list.

Press the **CH LIST** button on the remote control to bring up the channel lists.

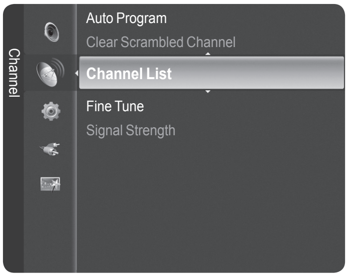

CH LIST
MENU
W.LINK
TOOLS
RETURN

Continued...

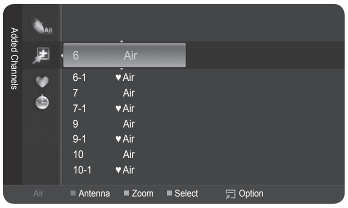
Labeling Channels - Analog

Channels can labeled so that their call letters appear whenever the channel is selected.

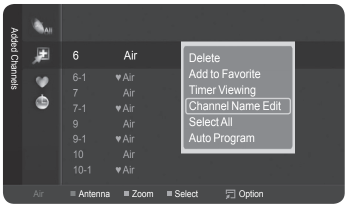
1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.


Channel
Auto Program
Clear Scrambled Channel
Channel List
Fine Tune
Signal Strength

2 Press the ▲ or ▼ button to select the channel to be assigned a new name, then press the **TOOLS** button.

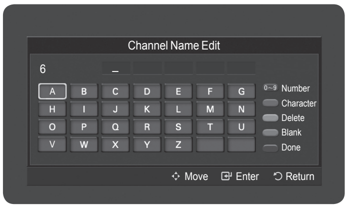

Added Channels
6 Air
6-1 ♥Air
7 Air
7-1 ♥Air
9 Air
9-1 ♥Air
10 Air
10-1 ♥Air
Air
Antenna
Zoom
Select
Option

3 Press the ▲ or ▼ button to select **Channel Name Edit**, then press the **ENTER** button.


Added Channels
6 Air
6-1 ♥Air
7 Air
7-1 ♥Air
9 Air
9-1 ♥Air
10 Air
10-1 ♥Air
Delete
Add to Favorite
Timer Viewing
Channel Name Edit
Select All
Auto Program
Air
Antenna
Zoom
Select
Option

4 Press the ▲/▼/◄/► button to select a letter, then press the **ENTER** button.

- **Numeric buttons**: You can enter numbers.
- **Red button**: You can switch between English and Characters.
- **Green button**: You can delete an already entered character.
- **Yellow button**: You can enter a blank space.
- **Blue button**: Press this button to finish renaming a channel.


Channel Name Edit
6
A B C D E F G
H I J K L M N
O P Q R S T U
V W X Y Z
0~9 Number
Character
Delete
Blank
Done
Move
Enter
Return

5 When you have finished, press the blue button to assign the new name.

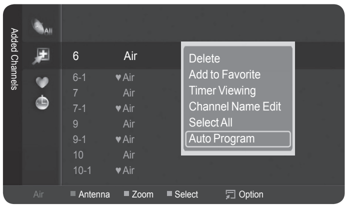
Press the **EXIT** button to exit.

➢ The names of digital broadcasting channels are automatically assigned and cannot be labelled.

Storing Channels in Memory (Auto Program)

Channels can labeled so that their call letters appear whenever the channel is selected.

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.


Added Channels
6 Air
6-1 ♥Air
7 Air
7-1 ♥Air
9 Air
9-1 ♥Air
10 Air
10-1 ♥Air
Delete
Add to Favorite
Timer Viewing
Channel Name Edit
Select All
Auto Program
Air
Antenna
Zoom
Select
Option

2 Press the ▲ or ▼ button to select the channel to be assigned a new name, then press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Auto Program**, then press the **ENTER** buton.

➢ For further details on setting up options, refer to pages 21.

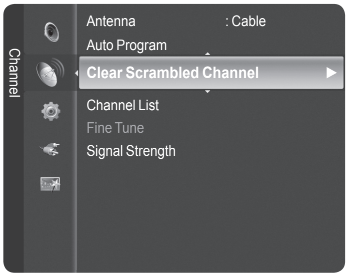
Press the **EXIT** button to exit.

Clearing Scrambled Channels - Digital

The Clear Scrambled Channel function is used to filter out scrambled channels after Auto Program is completed. This process may take up to 20-30 minutes.

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Clear Scrambled Channel**, then press the **ENTER** button. It searches scrambled channels, which are to be removed from the list.

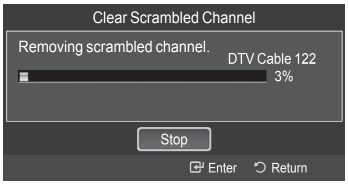
➢ **To stop searching scrambled channels;**
Press the **ENTER** button to select **Stop**.
Press the ◄ button to select **Yes**, then press the **ENTER** button.


Channel
Antenna : Cable
Auto Program
Clear Scrambled Channel ►
Channel List
Fine Tune
Signal Strength

2 When the scrambled channel searching is completed, press the **ENTER** button.

Press the **EXIT** button to exit.

➢ This function is only available in **Cable** mode.

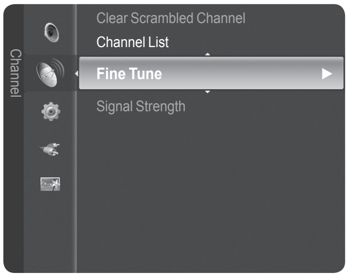

Removing scrambled channel.
Clear Scrambled Channel
DTV Cable 122
3%
Stop
Enter
Return

Fine Tuning Analog Channels

Use fine tuning to manually adjust a particular channel for optimal reception.

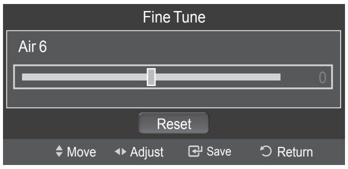
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.

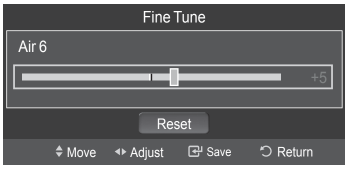
2 Press the ▲ or ▼ button to select **Fine Tune**, then press the **ENTER** button.


Channel
Clear Scrambled Channel
Channel List
Fine Tune ►
Signal Strength

3 Press the ◄ or ► button to adjust the fine tuning.
To store the fine tuning setting in the TV’s memory, press the **ENTER** button.

➢ If you do not store the fine-tuned channel in memory, adjustments are not saved.


Fine Tune
Air 6
0
Reset
Move
Adjust
Save
Return

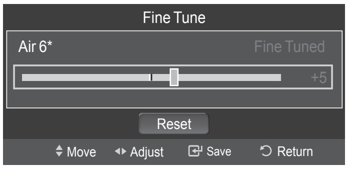

Fine Tune
Air 6
+5
Reset
Move
Adjust
Save
Return

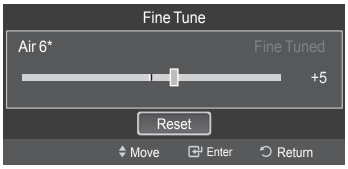
4 To reset the fine tuning setting, press the ▼ button to select **Reset**, then press the **ENTER** button.

Press the **EXIT** button to exit.

➢ Only analog TV channels can be fine tuned.

➢ “ * ” will appear next to the number of fine-tuned channels.

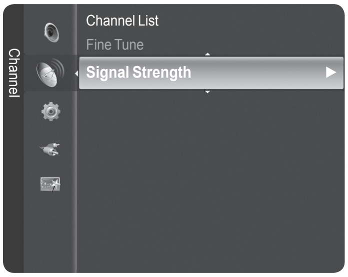

Fine Tune
Air 6*
Fine Tuned
+5
Reset
Move
Adjust
Save
Return


Fine Tune
Air 6*
Fine Tuned
+5
Reset
Move
Enter
Return

Checking the Digital-Signal Strength

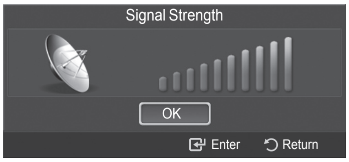
Unlike analog channels, which can vary in reception quality from "snowy" to clear, digital (HDTV) channels have either perfect reception quality or you will not receive them at all. So, unlike analog channels, you cannot fine tune a digital channel. You can, however, adjust your antenna to improve the reception of available digital channels.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.



2 Press the ▲ or ▼ button to select **Signal Strength**, then press the **ENTER** button. If the signal strength meter indicates that the signal is weak, physically adjust your antenna to increase the signal strength.
Continue to adjust the antenna until you find the best position with the strongest signal.

Press the **EXIT** button to exit.

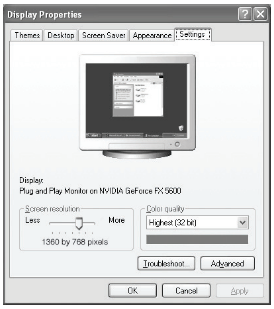


PC Display

Using Your TV as a Computer (PC) Display

Setting Up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. The actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. However, even if your actual screens look different, the same basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)



Display:
Plug and Play Monitor on NVIDIA GeForce FX 5600

Screen resolution: 1360 by 768 pixels

Color quality: Highest (32 bit)

1 First, click on **Control Panel** on the Windows start menu.

2 When the control panel window appears, click on **Appearance and Themes** and a display dialog-box will appear.

3 When the control panel window appears, click on **Display** and a display dialog box will appear.

4 Navigate to the **Settings** tab on the display dialog-box.
The correct size setting (resolution)
Optimum: 1920 X 1080 pixels
If a vertical-frequency option exists on your display settings dialog box, the correct value is **60** or **60 Hz**. Otherwise, just click **OK** and exit the dialog box.

Display Modes

If the signal from the system equals the standard signal mode, the screen is adjusted automatically. If the signal from the system doesn't equal the standard signal mode, adjust the mode by referring to your videocard user guide; otherwise there may be no video. For the display modes listed below, the screen image has been optimized during manufacturing.

D-Sub Input

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 x 350	31.469	70.086	25.175	+ / -
	720 x 400	31.469	70.087	28.322	- / +
VESA	640 x 480	31.469	59.940	25.175	- / -
	640 x 480	37.861	72.809	31.500	- / -
	640 x 480	37.500	75.000	31.500	- / -
	800 x 600	37.879	60.317	40.000	+ / +
	800 x 600	48.077	72.188	50.000	+ / +
	800 x 600	46.875	75.000	49.500	+ / +
	1024 x 768	48.363	60.004	65.000	- / -
	1024 x 768	56.476	70.069	75.000	- / -
	1024 x 768	60.023	75.029	78.750	+ / +
	1280 x 1024	63.981	60.020	108.000	+ / +
	1280 x 1024	79.976	75.025	135.000	+ / +
	1360 x 768	47.712	60.015	85.500	+ / +
CVT	1920 x 1080RB	66.587	59.934	138.500	+ / -

HDMI/DVI Input

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
VESA	640 x 480	31.469	59.940	25.175	- / -
	800 x 600	37.879	60.317	40.000	+ / +
	1024 x 768	48.363	60.004	65.000	- / -
	1280 x 1024	63.981	60.020	108.000	+ / +
	1360 x 768	47.712	60.015	85.500	+ / +
CEA	1920 x 1080p	67.500	60.000	148.500	+ / +

Setting up the TV with your PC

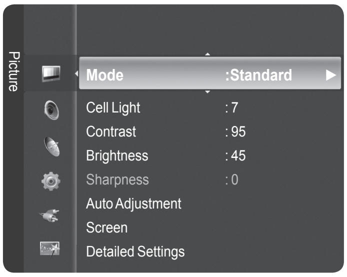
How to Auto Adjust

Use the Auto Adjust function to have the TV set automatically adjust the video signals it receives from the PC. The function also automatically fine-tunes the settings and adjusts the frequency values and positions.

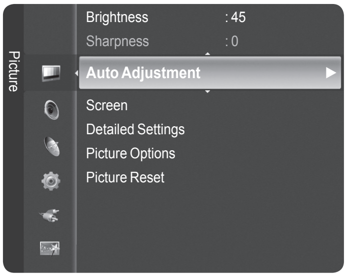
➢ This function does not work in DVI-Digital mode.

➢ Preset: Press the **SOURCE** button to select PC mode.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Auto Adjustment**, then press the **ENTER** button.

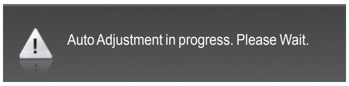

Picture
Auto Adjustment
Screen
Detailed Settings

Mode :Standard
Cell Light : 7
Contrast : 95
Brightness : 45
Sharpness : 0


Picture
Brightness : 45
Sharpness : 0
Auto Adjustment
Screen
Detailed Settings
Picture Options
Picture Reset

2 The message **Auto Adjustment in progress. Please wait.** appears on the screen and the picture adjustments are automatically activated.

Press the **EXIT** button to exit.

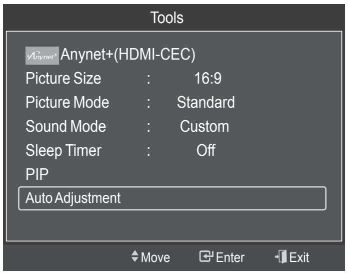


Auto Adjustment in progress. Please Wait.

Easy Setting

1 Press the **TOOLS** button on the remote control.

2 Press the ▲ or ▼ button to select **Auto Adjustment**, then press the **ENTER** button.


Tools
Anynet+(HDMI-CEC)
PIP
Auto Adjustment
Move
Enter
Exit

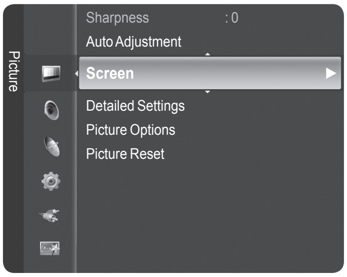
Picture Size : 16:9
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off

Adjusting the Screen Quality

The purpose of the picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by fine tuning alone, then make the vertical frequency adjustments and fine tune again. After the noise has been reduced, re-adjust the picture so that it is aligned in the center of the screen.

➢ Preset: Press the **SOURCE** button to select **PC mode**.

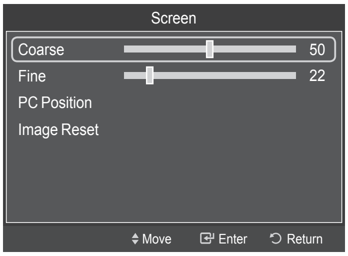
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Screen**, then press the **ENTER** button.


Picture
Sharpness : 0
Auto Adjustment
Screen
Detailed Settings
Picture Options
Picture Reset

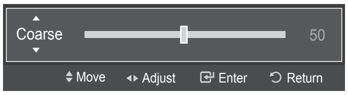
2 Press the ▲ or ▼ button to select **Coarse** or **Fine**, then press the **ENTER** button.
Press the ◄ or ► button to adjust the screen quality, then press the **ENTER** button.

Press the **EXIT** button to exit.

➢ Vertical stripes may appear or the picture may be blurry.


Screen
PC Position
Image Reset
Move
Enter
Return

Coarse 50
Fine 22


Move
Adjust
Enter
Return

Coarse 50

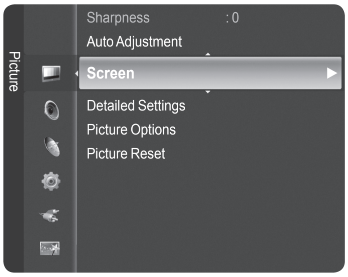
Continued...

Changing the Screen Position

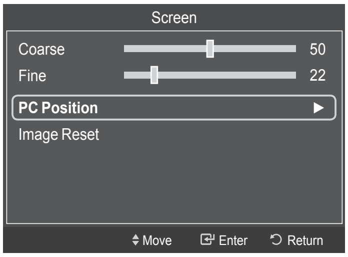
Adjust the PC's screen positioning if it does not fit the TV Screen.

➢ Preset: Press the **SOURCE** button to select PC mode.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Screen**, then press the **ENTER** button.

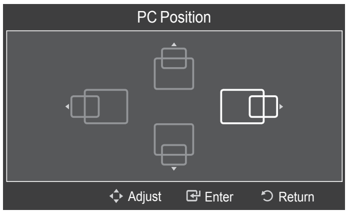

Picture
Sharpness : 0
Auto Adjustment
Screen
Detailed Settings
Picture Options
Picture Reset

2 Press the ▲ or ▼ button to select **PC Position**, then press the **ENTER** button.


Screen
Coarse 50
Fine 22
PC Position
Image Reset
Move
Enter
Return

3 Press the ▲ or ▼ button to adjust the V-Position.
Press the ◀ or ▶ button to adjust the H-Position.
Press the **ENTER** button.

Press the **EXIT** button to exit.

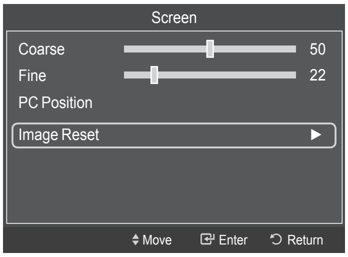

PC Position
Adjust
Enter
Return

Initializing the Screen Position

You can replace all image settings with the factory default values.

➢ Preset: Press the **SOURCE** button to select PC mode.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Screen**, then press the **ENTER** button.


Screen
Coarse 50
Fine 22
PC Position
Image Reset
Move
Enter
Return

2 Press the ▲ or ▼ button to select **Image Reset**, then press the **ENTER** button.
The message **Image Reset is completed.** appears on the screen.

Press the **EXIT** button to exit.

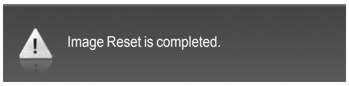


Image Reset is completed.

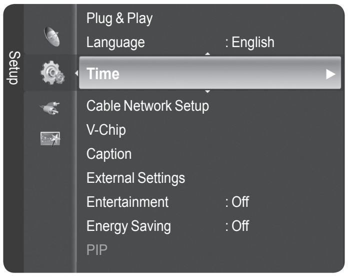
Time Setting

Setting the Time

Setting the clock is necessary in order to use the various timer features of the TV. Also, you can check the time while watching the TV. (Just press the INFO button.)

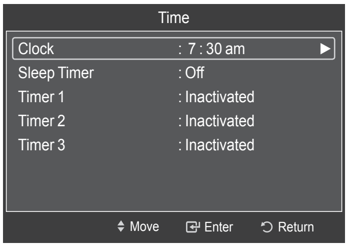
Option 1: Setting the Clock Manually

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Time**, then press the **ENTER** button.


Setup
Plug & Play
Time
Cable Network Setup
V-Chip
Caption
External Settings
PIP

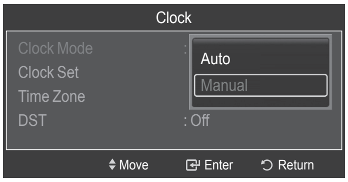
Language : English
Entertainment : Off
Energy Saving : Off

2 Press the **ENTER** button to select **Clock**.


Time
Move
Enter
Return

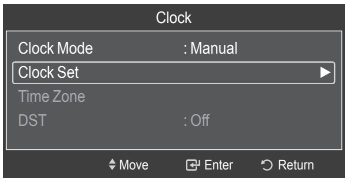
Clock : 7 : 30 am
Sleep Timer : Off
Timer 1 : Inactivated
Timer 2 : Inactivated
Timer 3 : Inactivated

3 Press the **ENTER** button to select **Clock Mode**.
Press the ▲ or ▼ button to select **Manual**, then press the **ENTER** button.


Clock
Clock Mode
Auto
Manual
Clock Set
Time Zone
Move
Enter
Return

DST : Off

4 Press the ▲ or ▼ button to select **Clock Set**, then press the **ENTER** button.


Clock
Clock Set
Time Zone
Move
Enter
Return

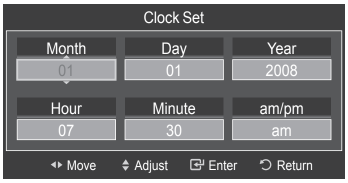
Clock Mode : Manual
DST : Off

5 Press the ◀ or ▶ button to move to **Month**, **Day**, **Year**, **Hour**, **Minute**, or **am/pm**. Set the date and time you want by pressing the ▲ or ▼ button, then press the **ENTER** button.

Press the **EXIT** button to exit.

➢ The current time will appear every time you press the **INFO** button.

➢ You can set the **Month**, **Day**, **Year**, **Hour**, and **Minute** directly by pressing the number buttons on the remote control.


Clock Set
Move
Adjust
Enter
Return

Month	Day	Year
01	01	2008

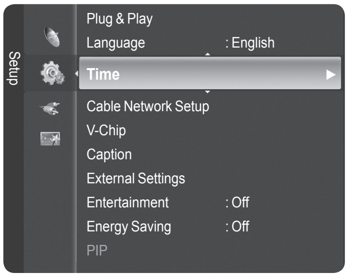
Hour	Minute	am/pm
07	30	am

Continued...

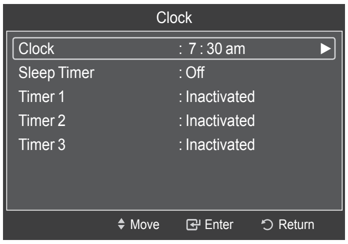
Option 2: Setting the Clock Automatically

The Clock can be set automatically if you are receiving a digital signal.

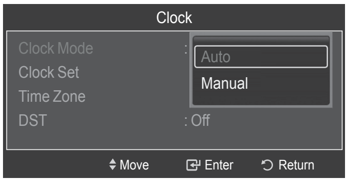
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Time**, then press the **ENTER** button.


Setup
Plug & Play
Language : English
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off
Energy Saving : Off
PIP

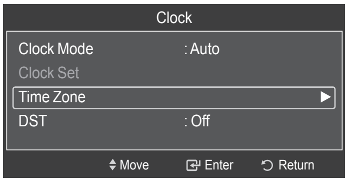
2 Press the **ENTER** button to select **Clock**.


Clock
Clock : 7 : 30 am
Sleep Timer : Off
Timer 1 : Inactivated
Timer 2 : Inactivated
Timer 3 : Inactivated
Move
Enter
Return

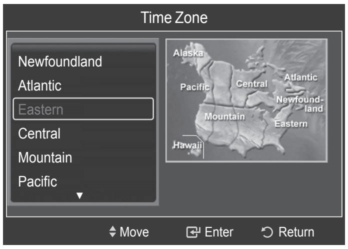
3 Press the **ENTER** button to select **Clock Mode**.
Press the ▲ or ▼ button to select **Auto**, then press the **ENTER** button.


Clock
Clock Mode
Clock Set
Time Zone
DST : Off
Auto
Manual
Move
Enter
Return

4 Press the ▲ or ▼ button to select **Time Zone**, then press the **ENTER** button.


Clock
Clock Mode : Auto
Clock Set
Time Zone
DST : Off
Move
Enter
Return

5 Press the ▲ or ▼ button to highlight the time zone for your local area, then press the **ENTER** button.

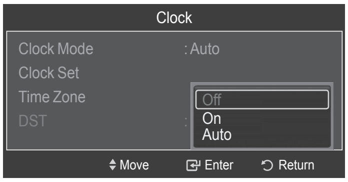

Time Zone
Newfoundland
Atlantic
Eastern
Central
Mountain
Pacific
Alaska
Pacific
Central
Atlantic
Newfound-land
Mountain
Eastern
Hawaii
Move
Enter
Return

6 Press the ▲ or ▼ button to select DST (Daylight Saving Time), then press the **ENTER** button.
Press the ▲ or ▼ button to select On, Off or Auto, then press the **ENTER** button.

Press the **EXIT** button to exit.

➢ Depending on the broadcast station and signal, the auto time may not be set correctly. If this occurs, set the time manually.

➢ Antenna or Cable must be connected in order to set the time automatically.


Clock
Clock Mode : Auto
Clock Set
Time Zone
DST
Off
On
Auto
Move
Enter
Return

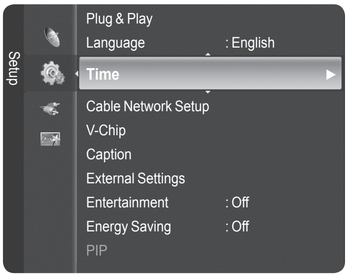
-

Continued...

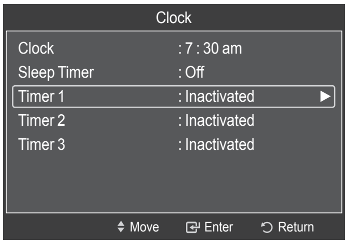
Setting the On/Off Timer

Use this feature to set the TV to turn on or off at a desired time. You must set the clock first.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Time**, then press the **ENTER** button.


Setup
Plug & Play
Language : English
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off
Energy Saving : Off
PIP

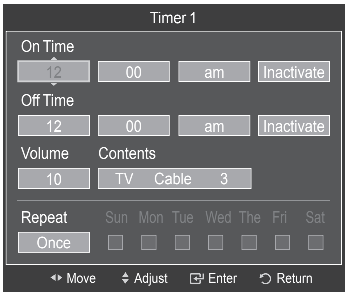
2 Three different On/Off Timer Settings can be made.
Press the ▲ or ▼ button to select **Timer1**, **Timer2**,or **Timer3**, then press the **ENTER** button. The timer menu is displayed.
Press the ▲ or ▼ button to adjust hour, then press the ► button to move to the next step. Set other items using the same method as above.

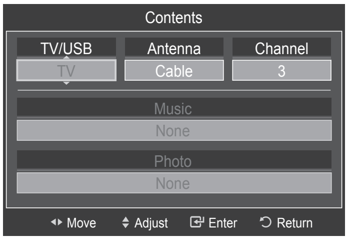

Clock
Clock : 7 : 30 am
Sleep Timer : Off
Timer 1 : Inactivated
Timer 2 : Inactivated
Timer 3 : Inactivated
Move
Enter
Return

3 Press the ◄ or ► button to select the desired item below.
Press the ▲ or ▼ button to adjust the setting.

Press the **EXIT** button to exit.

- **On Time**: Set the Hour, Minute, am/pm, and Activation/Inactivation. (To activate timer with the setting you've chosen, set to **Activate**.)
- **Off Time**: Set the Hour, Minute, am/pm, and Activation/Inactivation. (To activate timer with the setting you've chosen, set to **Activate**.)
- **Volume**: Set the desired volume level.
- **Contents**: When the **On Time** is activate, you can turn on a specific channel or play back contents such as photo or audio files.
  - **TV/USB**: Select TV or USB. (Make sure that an USB device is connected to your TV.)
  - **Antenna**: Select **Air** or **Cable**.
  - **Channel**: Select the desired channel.
  - **Music**: Select the folder containing MP3 files on the USB device.
  - **Photo**: Select the folder containing JPEG files on the USB device.
- **Repeat**: Select **Once**, **Everyday**, **Mon~Fri**, **Mon~Sat**, **Sat~Sun**, or **Manual**.
  ➢ When **Manual** is selected, press the ► button to select the desired day of the week. Press the **ENTER** button over the desired day and the mark (✓) will appear.


Timer 1
On Time
12
00
am
Inactivate
Off Time
12
00
am
Inactivate
Volume
Contents
10
TV Cable 3
Repeat
Sun Mon Tue Wed The Fri Sat
Once
☐ ☐ ☐ ☐ ☐ ☐ ☐
Move
Adjust
Enter
Return


Contents
TV/USB
Antenna
Channel
TV
Cable
3
Music
None
Photo
None
Move
Adjust
Enter
Return

➢ You can set the hour, and minute directly by pressing the number buttons on the remote control.

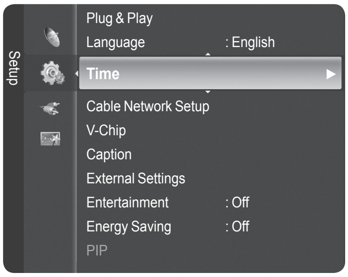
➢ **Auto Power Off**
When you set the timer **On**, the television will eventually turn off if no controls are operated for 3 hours after the TV was turned on by timer.
This function is only available in timer **On** mode and prevents overheating, which may occur if a TV is on for too long time.

Continued...

Setting the Sleep Timer

The sleep timer automatically shuts off the TV after a preset time (30, 60, 90, 120, 150 and 180 minutes).

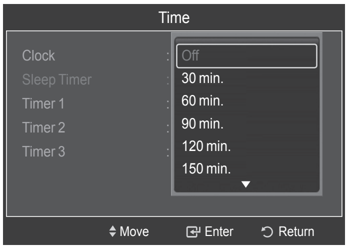
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Time**, then press the **ENTER** button.


Setup
Plug & Play
Language : English
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off
Energy Saving : Off
PIP

2 Press the ▲ or ▼ button to select **Sleep Timer**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select the minute, then press the **ENTER** button.
To cancel the set sleep timer:
Press the ▲ or ▼ button to select **Off**, then press the **ENTER** button.

Press the **EXIT** button to exit.

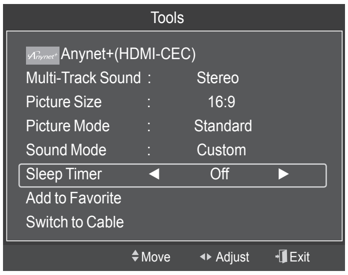

Time
Clock
Sleep Timer
Timer 1
Timer 2
Timer 3
Off
30 min.
60 min.
90 min.
120 min.
150 min.
Move
Enter
Return

Easy Setting

1 Press the **TOOLS** button on the remote control.

2 Press the ▲ or ▼ button to select **Sleep Timer**.

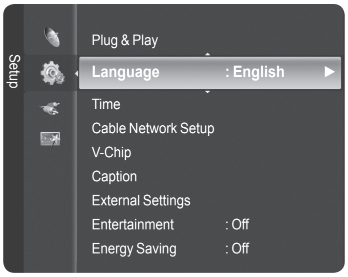
3 Press the ◀ or ▶ button to select the minute, then press the **ENTER** button.


Tools
Anynet+(HDMI-CEC)
Multi-Track Sound : Stereo
Picture Size : 16:9
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer ◀ Off ▶
Add to Favorite
Switch to Cable
Move
Adjust
Exit

Function Description

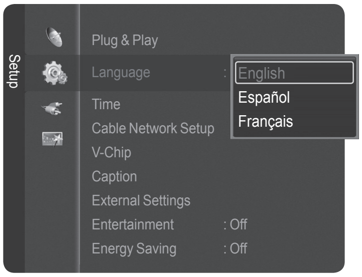
Selecting a Menu Language

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Language**, then press the **ENTER** button.


Setup
Plug & Play
Language : English
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off
Energy Saving : Off

2 Press the ▲ or ▼ button to select the appropriate language: **English**, **Español**, or **Français**, then press the **ENTER** button.

Press the **EXIT** button to exit.


Setup
Plug & Play
Language
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off
Energy Saving : Off
English
Español
Français

Using the V-Chip

U.S.A Only
This product is covered by the following U.S. patents : US4,930,158 US4,930,160

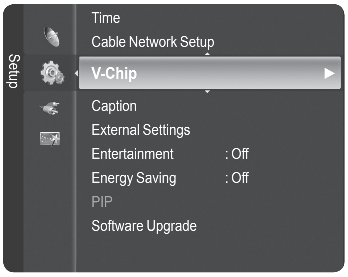
The V-Chip feature automatically locks out programs that are deemed inappropriate for children. The user must enter a PIN (personal ID number) before any of the V-Chip restrictions are set up or changed.

➢ **V-Chip** function is not available in **HDMI**, **Component** or **PC** mode.

Setting Up Your Personal ID Number (PIN)

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

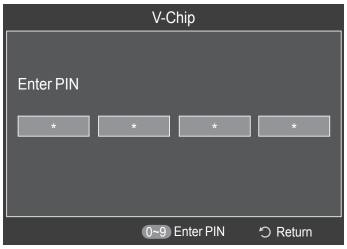
➢ The Screen Saver is activated if there is no remote control key input for longer than 1 minute while setting up the **V-Chip**.



Setup
Time
Cable Network Setup
V-Chip ▶
Caption
External Settings
Entertainment : Off
Energy Saving : Off
PIP
Software Upgrade

2 Press the ▲ or ▼ button to select **V-Chip**, then press the **ENTER** button.
The message **Enter PIN** will appear. Enter your 4 digit PIN number.

➢ The default PIN number of a new TV set is **0-0-0-0**.



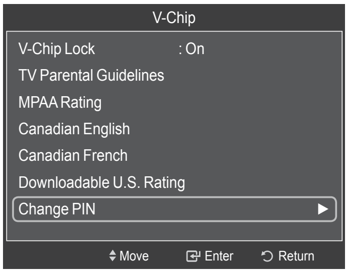
V-Chip
Enter PIN
* * * *
0~9 Enter PIN ↺ Return

3 The **V-Chip** screen will appear.

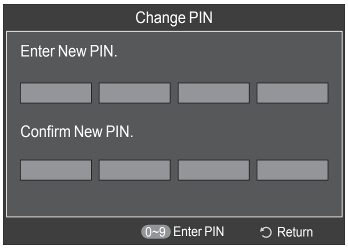
Press the ▲ or ▼ button to select **Change PIN**, then press the **ENTER** button. The Change PIN screen will appear. Choose any 4 digits for your PIN and enter them. Re-enter the same 4 digits. When the message **PIN is changed successfully.** is displayed, your PIN has been memorized.

Press the **EXIT** button to exit.

➢ If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to 0-0-0-0 : Power Off. → MUTE → 8 → 2 → 4 → Power On.



V-Chip
V-Chip Lock : On
TV Parental Guidelines
MPAA Rating
Canadian English
Canadian French
Downloadable U.S. Rating
Change PIN ▶
⇕ Move ⏎ Enter ↺ Return



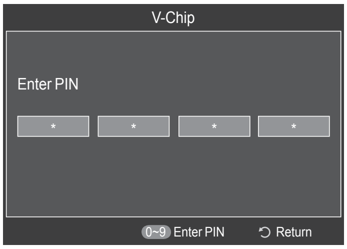
Change PIN
Enter New PIN.
Confirm New PIN.
0~9 Enter PIN ↺ Return

Continued...

How to Enable/Disable the V-Chip

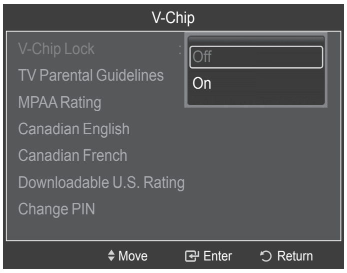
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

2 Press the ▲ or ▼ button to select **V-Chip**, then press the **ENTER** button.
The message **Enter PIN** will appear. Enter your 4 digit PIN number.


V-Chip
Enter PIN
* * * *
0~9 Enter PIN
Return

3 The **V-Chip** screen will appear.
To enable the V-Chip feature, press the **ENTER** button so that the **V-Chip Lock** field is **On**. (Pressing the ▲ or ▼ button will alternate between **On** and **Off**.)
Press the **ENTER** button.

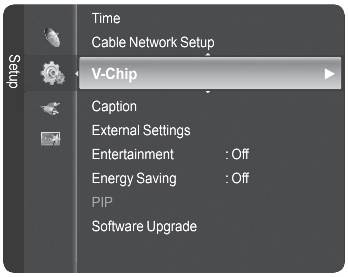
Press the **EXIT** button to exit.


V-Chip
V-Chip Lock :
Off
On
TV Parental Guidelines
MPAA Rating
Canadian English
Canadian French
Downloadable U.S. Rating
Change PIN
Move
Enter
Return

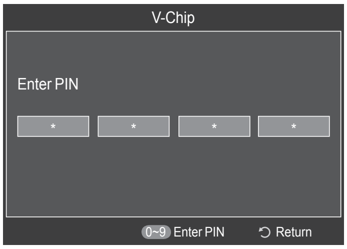
How to Set up Restrictions Using "TV Parental Guidelines"

First, set up a personal identification number (PIN), and enable the V-Chip. (See previous section.) Parental restrictions can be set up using either of two methods: The TV guidelines or the MPAA rating.

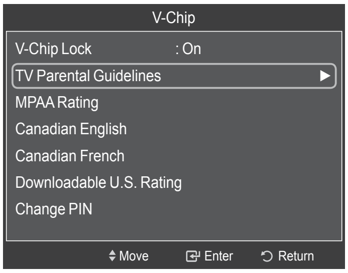
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.


Setup
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off
Energy Saving : Off
PIP
Software Upgrade

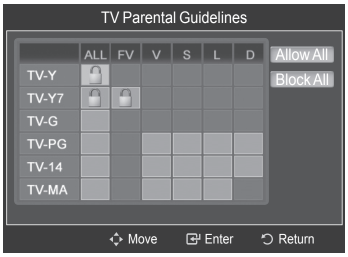
2 Press the ▲ or ▼ button to select **V-Chip**, then press the **ENTER** button.
The message **Enter PIN** will appear. Enter your 4 digit PIN number.


V-Chip
Enter PIN
* * * *
0~9 Enter PIN
Return

3 The **V-Chip** screen will appear. Press the ▲ or ▼ button to select **TV Parental Guidelines**, then press the **ENTER** button.


V-Chip
V-Chip Lock : On
TV Parental Guidelines
MPAA Rating
Canadian English
Canadian French
Downloadable U.S. Rating
Change PIN
Move
Enter
Return

Continued...



TV Parental Guidelines

	ALL	FV	V	S	L	D
TV-Y	🔒					
TV-Y7	🔒	🔒				
TV-G						
TV-PG						
TV-14						
TV-MA						

4 The **TV Parental Guidelines** screen will appear.
Press the ▲ or ▼ button to select one of the six aged based categories:

- **TV-Y:** All children. The themes and elements in this program are specifically designed for a very young audience, including children from ages two to six.
- **TV-Y7:** Directed to older children. The themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of seven.
- **TV-G:** General audience. It contains little or no violence, no strong language, and little or no sexual dialog or situations.
- **TV-PG:** Parental guidance suggested. This program may contain infrequent coarse language, limited violence, some suggestive sexual dialog and situations.
- **TV-14:** Parents strongly cautioned. This program may contain sophisticated themes, sexual content, strong language and more intense violence.
- **TV-MA:** Mature audiences only. This program may contain mature themes, profane language, graphic violence and explicit sexual content.

5 At this point, one of the TV-Ratings is selected.

Press the **ENTER** button. Depending on your existing setup, the “ 🔒 ” symbol will be selected. (Blank = Unblocked, 🔒 = Blocked) While “ 🔒 ” is selected, press the **ENTER** button to block or unblock the category.
To select a different TV-Rating, press the ▲ or ▼ button and then repeat the process.

➢ **Allow All:** Press to unlock all TV ratings.
Block All: Press to lock all TV ratings.

➢ The TV-Y, TV-Y7, TV-G, TV-PG, TV-14 and TV-MA have additional options. See the next step to change any of the following sub-ratings:

- **ALL:** Lock all TV ratings.
- **FV:** Fantasy violence.
- **D:** Sexually suggestive dialog.
- **L:** Adult language.
- **S:** Sexual situation.
- **V:** Violence.

➢ The V-Chip will automatically block certain categories that are “more restrictive”.
For example, if you block **TV-Y** category, then TV-Y7 will automatically be blocked. Similarly, if you block the TV-G category, then all the categories in the “young adult” group will be blocked (TV-G, TV-PG, TV-14, and TV-MA). The subratings (D, L, S, V) work together similarly. (See next section.)

6 How to set the FV, D, L, S and V sub-ratings.
First, select one of these TV-Ratings: TV-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA (See Step **4**), and press the **ENTER** button. The “ 🔒 ” symbol will be displayed for each sub-rating.
While “ 🔒 ” is selected, press the ► button to go to a sub rating.
Press the **ENTER** to block the sub rating. To select a different TV-Rating, press the ▲ or ▼ button and then repeat the process.

7 Press the **EXIT** button to clear all the screens. (Or proceed to the next section, and set up additional restrictions based on the MPAA codes.)

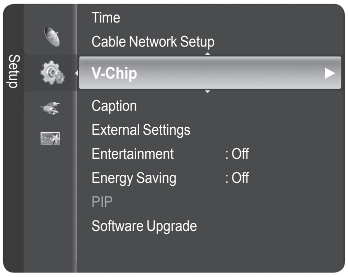
➢ These categories consist of two separate groups: TV-Y and TV-Y7 (young children through age 7), and TV-G through TV-MA (everybody else).
The restrictions for these two groups work independently: If a household includes very young children as well as young adults, the TV guidelines must be set up separately for each age group.

Continued...

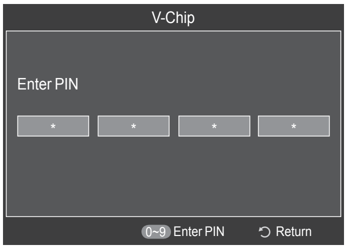
How to Set up Restrictions Using “MPAA Ratings” (G, PG, PG-13, R, NC-17, X, NR)

The MPAA rating system uses the Motion Picture Association of America (MPAA) system, and its main application is for movies. When the V-Chip lock is on, the TV will automatically block any programs that are coded with objectionable ratings (either MPAA or TV-Ratings).

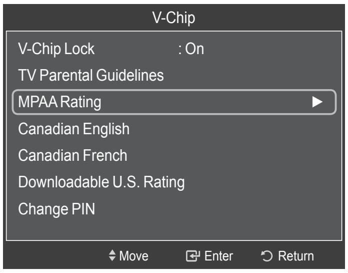
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.


Setup
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off
Energy Saving : Off
PIP
Software Upgrade

2 Press the ▲ or ▼ button to select **V-Chip**, then press the **ENTER** button.
The message **Enter PIN** will appear. Enter your 4 digit PIN number.

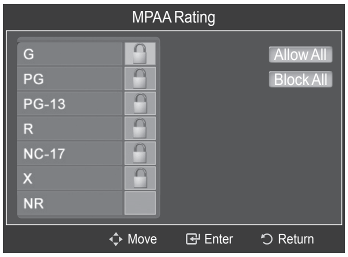

V-Chip
Enter PIN
* * * *
0~9 Enter PIN
Return

3 The **V-Chip** screen will appear. Press the ▲ or ▼ button to select **MPAA Rating**, then press the **ENTER** button.


V-Chip
V-Chip Lock : On
TV Parental Guidelines
MPAA Rating
Canadian English
Canadian French
Downloadable U.S. Rating
Change PIN
Move
Enter
Return

4 Press the ▲ or ▼ button to select an appropriate restriction.
Press the **ENTER** button to activate the restriction selected.
The “ 🔒 ” symbol is indicated. While “ 🔒 ” is selected, press the **ENTER** button to block or unblock the category.

Press the **EXIT** button to exit.


MPAA Rating
G
PG
PG-13
R
NC-17
X
NR
Allow All
Block All
Move
Enter
Return

- **G:** General audience (no restriction).
- **PG:** Parental guidance suggested.
- **PG-13:** Parents strongly cautioned.
- **R:** Restricted. Children under 17 should be accompanied by an adult.
- **NC-17:** No children under age 17.
- **X:** Adults only.
- **NR:** Not rated.

➢ **Allow All:** Press to unlock all TV ratings.
Block All: Press to lock all TV ratings.

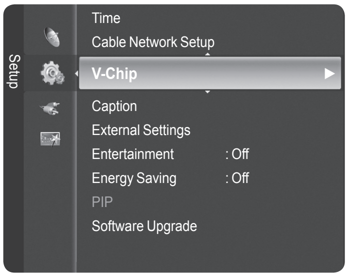
➢ The V-Chip will automatically block any category that is “more restrictive” . For example, if you block the PG-13 category, then R, NC-17 and X will automatically be blocked also.

➢ While a particular category is selected, press the **ENTER** button to activate it. The “🔒 ” symbol will be displayed. Press the **ENTER** button to block or unblock the category.

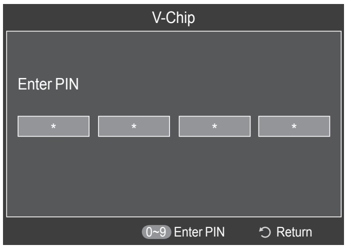
Continued...

How to Set up Restrictions Using “Canadian English”

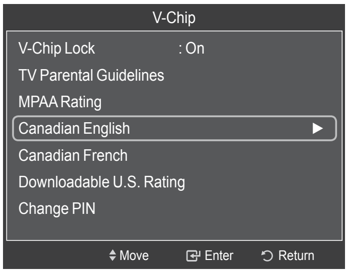
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.


Setup
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off
Energy Saving : Off
PIP
Software Upgrade

2 Press the ▲ or ▼ button to select **V-Chip**, then press the **ENTER** button.
The message **Enter PIN** will appear. Enter your 4 digit PIN number.


V-Chip
Enter PIN
* * * *
0~9 Enter PIN
Return

3 The **V-Chip** screen will appear. Press the ▲ or ▼ button to select **Canadian English**, then press the **ENTER** button.

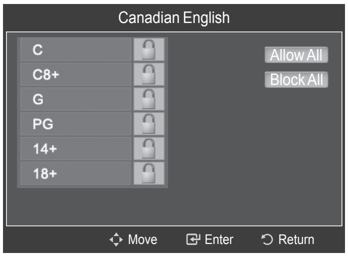

V-Chip
V-Chip Lock : On
TV Parental Guidelines
MPAA Rating
Canadian English
Canadian French
Downloadable U.S. Rating
Change PIN
Move
Enter
Return

4 Press the ▲ or ▼ button to select an appropriate restriction.

Press the **ENTER** button to activate the restriction selected. The “🔒” symbol is indicated.

Press the **EXIT** button to exit.

➢ **Allow All:** Press to unlock all TV ratings.
Block All: Press to lock all TV ratings.


Canadian English
C
C8+
G
PG
14+
18+
Allow All
Block All
Move
Enter
Return

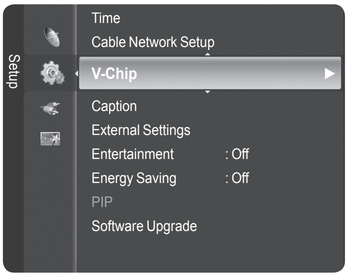
- **C:** Programming intended for children under age 8.
- **C8+:** Programming generally considered acceptable for children 8 years and over to watch on their own.
- **G:** General programming, suitable for all audiences.
- **PG:** Parental guidance.
- **14+:** Programming contains themes or content which may not be suitable for viewers under the age of 14.
- **18+:** Adult programming.

➢ The V-Chip will automatically block any category that is “more restrictive”. For example, if you block G category, then PG, 14+ and 18+ will automatically be blocked also.

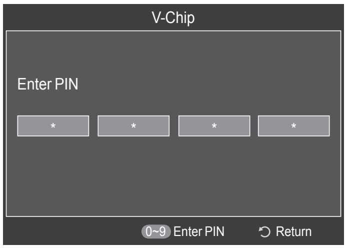
Continued...

How to Set up Restrictions Using “Canadian French”

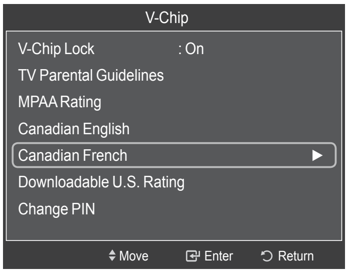
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.


Setup
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off
Energy Saving : Off
PIP
Software Upgrade

2 Press the ▲ or ▼ button to select **V-Chip**, then press the **ENTER** button.
The message **Enter PIN** will appear. Enter your 4 digit PIN number.


V-Chip
Enter PIN
* * * *
0~9 Enter PIN
Return

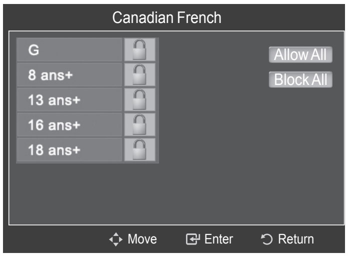
3 The **V-Chip** screen will appear. Press the ▲ or ▼ button to select **Canadian French**, then press the **ENTER** button.


V-Chip
V-Chip Lock : On
TV Parental Guidelines
MPAA Rating
Canadian English
Canadian French
Downloadable U.S. Rating
Change PIN
Move
Enter
Return

4 Press the ▲ or ▼ button to select an appropriate restriction.
Press the **ENTER** button to activate the restriction selected. The “ 🔒 ” symbol is indicated.

Press the **EXIT** button to exit.

➢ **Allow All:** Press to unlock all TV ratings.
Block All: Press to lock all TV ratings.


Canadian French
G
8 ans+
13 ans+
16 ans+
18 ans+
Allow All
Block All
Move
Enter
Return

- **G:** General.
- **8 ans+:** Not recommended for young children.
- **13 ans+:** Programming may not be suitable for children under the age of 13.
- **16 ans+:** Programming is not suitable for children under the age of 16.
- **18 ans+:** Programming restricted to adults.

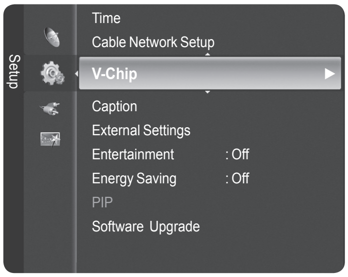
➢ The V-Chip will automatically block any category that is “more restrictive”. For example, if you block 8 ans+ category, then 13 ans+, 16 ans+ and 18 ans+ will automatically be blocked also.

Continued...

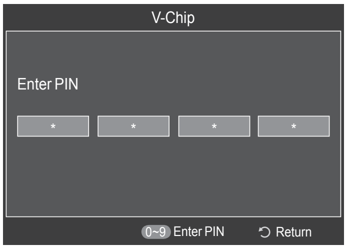
Using the V-Chip for Digital channels

Parental restriction information can be used while watching DTV channels.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.


Setup
Time
Cable Network Setup
V-Chip
Caption
External Settings
Entertainment : Off
Energy Saving : Off
PIP
Software Upgrade

2 Press the ▲ or ▼ button to select **V-Chip**, then press the **ENTER** button.
The message **Enter PIN** will appear. Enter your 4 digit PIN number.

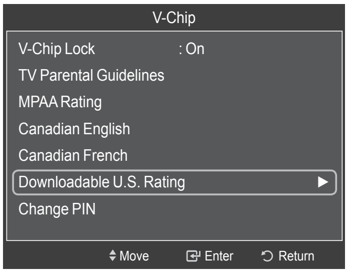

V-Chip
Enter PIN
* * * *
0~9 Enter PIN
Return

3 The **V-Chip** screen will appear. Press the ▲ or ▼ button to select **Downloadable U.S. Rating**, then press the **ENTER** button.

➢ If information is not downloaded from the broadcasting station, the **Downloadable U.S. Rating** menu is deactivated.

➢ Parental restriction information is automatically downloaded while watching DTV channels. It may take several seconds.

➢ The **Downloadable U.S. Rating** menu is available for use after information is downloaded from the broadcasting station. However, depending on the information from the broadcasting station, it may not be available for use.


V-Chip
V-Chip Lock : On
TV Parental Guidelines
MPAA Rating
Canadian English
Canadian French
Downloadable U.S. Rating
Change PIN
Move
Enter
Return

4 Press the ▲ or ▼ button to select an appropriate restriction.
Press the **ENTER** button to activate the restriction selected.
The “🔒” symbol is indicated.

Press the **EXIT** button to exit.

➢ **Allow All:** Press to unlock all TV ratings.
Block All: Press to lock all TV ratings.

➢ Parental restriction levels differ depending on the broadcasting station.

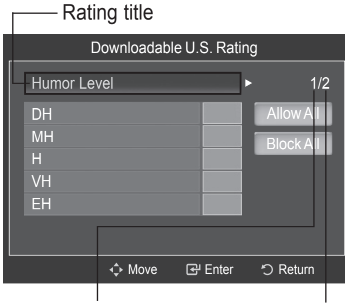
➢ The default menu name and downloadable US rating changes depending on the downloaded information.

➢ Even if you set the on-screen display to your desired language, the **Downloadable U.S. Rating** menu will appear in English only.

➢ The rating will automatically block certain categories that are more restrictive.

➢ The rating titles (for example: Humor Level..etc) and TV ratings (for example: DH,MH,H..etc) may differ depending on the broadcasting station.

Rating title


Downloadable U.S. Rating
Humor Level
1/2
DH
MH
H
VH
EH
Allow All
Block All
Move
Enter
Return

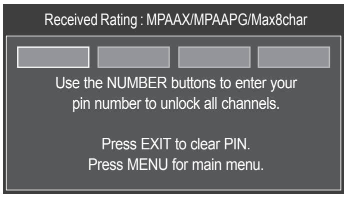
The number of current rating information

The number of all rating information

Continued...

How to Reset the TV after the V-Chip Blocks a Channel (“Emergency Escape”)

If the TV is tuned to a restricted channel, the V-Chip will block it. The screen will go blank and the following message will appear:



Received Rating : MPAAX/MPAAPG/Max8char

Use the NUMBER buttons to enter your pin number to unlock all channels.

Press EXIT to clear PIN.
Press MENU for main menu.

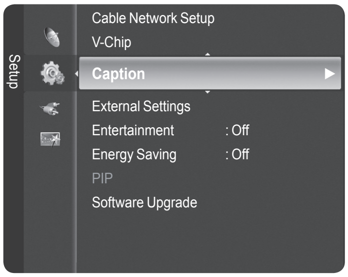
1 Enter your PIN.
To resume normal viewing, tune to a different channel using **CH ∧** or **CH ∨** button. Under certain conditions (depending on the rating of the local TV programs) the V-Chip might lock out all the channels. In this case, use the V-Chip function for an “emergency escape”:

➢ If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to 0-0-0-0 : Power Off. → MUTE → 8 → 2 → 4 → Power On.

Viewing Closed Captions (On-Screen Text Messages) - Digital

The Digital Captions function operates on digital channels.

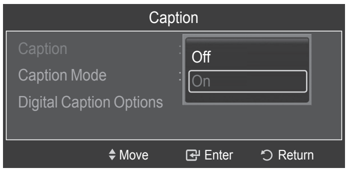
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.



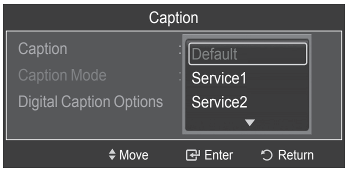
Cable Network Setup
V-Chip
Caption ►
External Settings
Entertainment : Off
Energy Saving : Off
PIP
Software Upgrade

2. Press the ▲ or ▼ button to select **Caption**, then press the **ENTER** button.

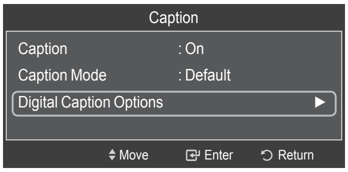
3. Press the **ENTER** button to select **Caption**.
   Press the ▲ or ▼ button to select **On**, then press the **ENTER** button.


Caption
Caption : Off / On
Caption Mode
Digital Caption Options

4. Press the ▲ or ▼ button to select **Caption Mode**, then press the **ENTER** button.
   Press the ▲ or ▼ button to select submenu (**Default**, **Service1~Service6**, **CC1~CC4** or **Text1~Text4**) you want, then press the **ENTER** button.
   ➢ Digital Caption Options are available only when **Default**, **Service1~Service6** can be selected in **Caption Mode**.
   ➢ **Service1~6** in digital caption mode may not be available depending on the broadcast.

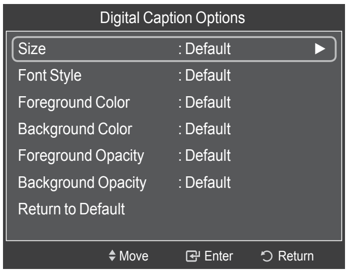

Caption
Caption
Caption Mode : Default / Service1 / Service2
Digital Caption Options

5. Press the ▲ or ▼ button to select **Digital Caption Options**, then press the **ENTER** button.


Caption
Caption : On
Caption Mode : Default
Digital Caption Options ►

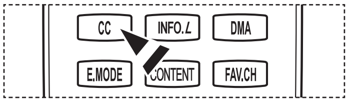
6. Press the ▲ or ▼ button to select **Size**, then press the **ENTER** button.
   Press the ▲ or ▼ button to select the desired caption option, then press the **ENTER** button.
   Press the ▲ or ▼ button to select the desired sub-menu options (see options below), then press the **ENTER** button.

   Press the **EXIT** button to exit.
   ➢ The availability of captions depends on the program being broadcast.
   ➢ **Default** means to follow the standard set by the broadcaster.
   ➢ Foreground and Background cannot be set to have the same color.
   ➢ **Foreground Opacity** and **Background Opacity** cannot be both set to Transparent.


Digital Caption Options
Size : Default ►
Font Style : Default
Foreground Color : Default
Background Color : Default
Foreground Opacity : Default
Background Opacity : Default
Return to Default

- **Size:** This option consists of **Default**, **Small**, **Standard**, and **Large**. The default is **Default**.
- **Font Style:** This option consists of **Default**, **Style0 ~ Style7**. You can change the font you want. The default is **Default**.
- **Foreground Color:** This option consists of **Default**, **White**, **Black**, **Red**, **Green**, **Blue**, **Yellow**, **Magenta**, and **Cyan**. You can change the color of the letter. The default is **Default**.
- **Background Color:** This option consists of **Default**, **White**, **Black**, **Red**, **Green**, **Blue**, **Yellow**, **Magenta**, and **Cyan**. You can change the background color of the caption. The default is **Default**.
- **Foreground Opacity:** This option consists of **Default**, **Transparent**, **Translucent**, **Solid**, and **Flashing**. You can change the opacity of the letter.
- **Background Opacity:** This option consists of **Default**, **Transparent**, **Translucent**, **Solid**, and **Flashing**. You can change the background opacity of the caption.
- **Return to Default:** This option sets each of **Size**, **Font Style**, **Foreground Color**, **Background Color**, **Foreground Opacity**, and **Background Opacity** to its default.

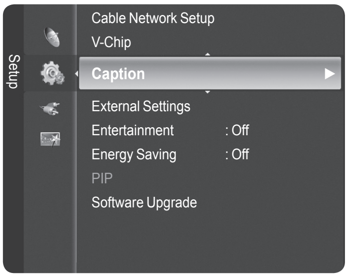
Press the **CC** button on the remote control to turn the Caption **On** or **Off**.



Viewing Closed Captions (On-Screen Text Messages) - Analog

The Analog Caption function operates in either analog TV channel mode or when a signal is supplied from an external device. (Depending on the broadcasting signal, the Analog Caption function may operate on digital channels.)

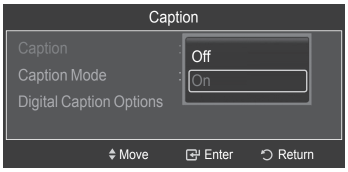
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.


Setup
Cable Network Setup
V-Chip
Caption
External Settings
PIP
Software Upgrade

Entertainment : Off
Energy Saving : Off

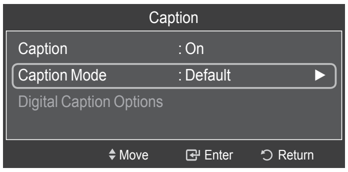
2 Press the ▲ or ▼ button to select **Caption**, then press the **ENTER** button.

3 Press the **ENTER** button to select **Caption**.
Press the ▲ or ▼ button to select **On**, then press the **ENTER** button.

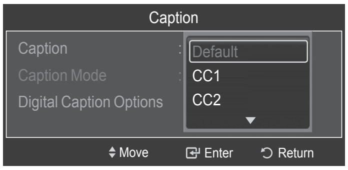

Caption
Caption
Caption Mode
Digital Caption Options
Off
On
Move
Enter
Return

4 Press the ▲ or ▼ button to select **Caption Mode**, then press the **ENTER** button. Press the ▲ or ▼ button to select submenu (**Default**, **CC1~CC4** or **Text1~Text4**) you want, then press the **ENTER** button.

Press the **EXIT** button to exit.


Caption
Digital Caption Options
Move
Enter
Return

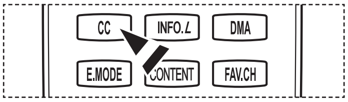
Caption : On
Caption Mode : Default


Caption
Caption
Caption Mode
Digital Caption Options
Default
CC1
CC2
Move
Enter
Return

- The default is **Default**.
- **CC1:** The Primary Synchronous Caption Service. These are captions in the primary language that must be in sync with the sound, preferably matched to a specific frame.
- **CC2:** The Special Non-Synchronous Use Captions.This channel carries data that is intended to augment information carried in the program.
- **CC3:** Secondary Synchronous Caption Service.
  Alternate program-related caption data, typically second language captions.
- **CC4:** Special Non-Synchronous Use Captions. Similar to CC2.
- **Text1:** First Text Service. This may be various non-program related data.
- **Text2:** Second Text Service. Additional data, usually not program related.
- **Text3/Text4:** Third and Fourth Text Services. These data channels should be used only if Text1 and Text2 are not sufficient.

➢ • The Caption feature doesn’t work in COMPONENT, PC, HDMI modes.
• The availability of captions depends on the program being broadcast.

You can also press the **CC** button on the remote control to select Captions **On** or **Off**.

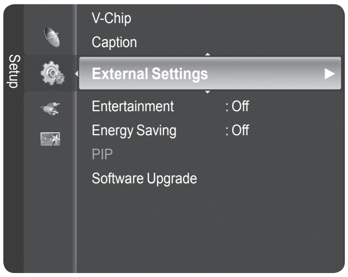

CC
INFO.
DMA
E.MODE
CONTENT
FAV.CH

Adjusting the TV On/Off Melody Sound

The TV power on/off melody sound volume can be adjusted.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

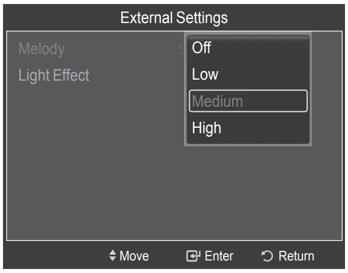
2 Press the ▲ or ▼ button to select **External Settings**, then press the **ENTER** button.


Setup
V-Chip
Caption
External Settings ►
Entertainment : Off
Energy Saving : Off
PIP
Software Upgrade

3 Press the **ENTER** button to select **Melody**.
Press the ▲ or ▼ button to select **Off**, **Low**, **Medium**, or **High**, then press the **ENTER** button.

- **Off**: Turns off the melody function.
- **Low**: Sets the melody volume to low.
- **Medium**: Sets the melody volume to medium.
- **High**: Sets the melody volume to high.

Press the **EXIT** button to exit.


External Settings
Melody
Light Effect
Off
Low
Medium
High
Move
Enter
Return

➢ **The Melody does not play**
- When no sound is output from the TV because the **MUTE** button has been pressed.
- When no sound is output from the TV because you have reduced the volume to minimum by pressing the **VOL** [–] button.
- When the TV is turned off by Sleep Timer function.

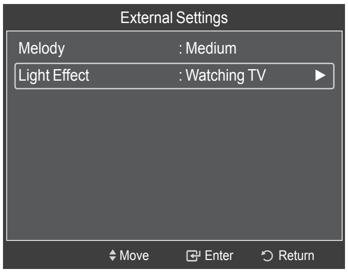
DOLBY DIGITAL

Manufactured under license from Dolby Laboratories.
Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Setting the Light Effect

You can turn the red LED on the front of TV on/off.

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **External Settings**, then press the **ENTER** button.

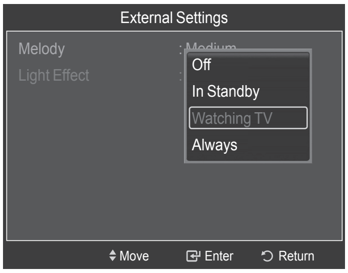

External Settings
Melody : Medium
Light Effect : Watching TV ►
Move
Enter
Return

2 Press the ▲ or ▼ button to select **Light Effect**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Off**, **In Standby**, **Watching TV**, or **Always**, then press the **ENTER** button.

Press the **EXIT** button to exit.

- **Off** : The LED is always off.
- **In Standby** : The LED lights while in Standby mode and it turns off when your TV is turned on.
- **Watching TV** : The LED lights when watching TV and it turns off when your TV is turned off.
- **Always** : The LED is always lit.

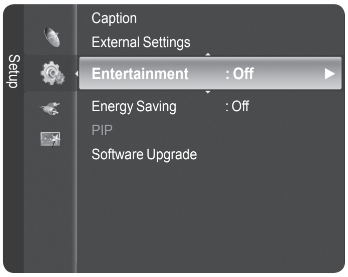
➢ Set the Light Effect to Off to reduce the power consumption.


External Settings
Melody : Medium
Light Effect
Off
In Standby
Watching TV
Always
Move
Enter
Return

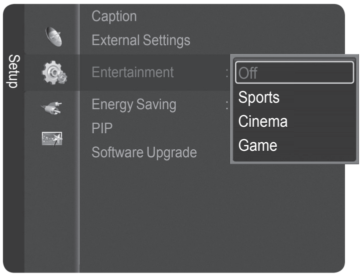
Setting the Entertainment mode

The Entertainment mode enables you to select the optimal display and sound for sports, cinema and games.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.
2. Press the ▲ or ▼ button to select **Entertainment**, then press the **ENTER** button.


Setup
Caption
External Settings
Entertainment : Off
Energy Saving : Off
PIP
Software Upgrade

3. Press the ▲ or ▼ button to select **Off**, **Sports**, **Cinema** or **Game**, then press the **ENTER** button.


Setup
Caption
External Settings
Entertainment
Energy Saving
PIP
Software Upgrade
Off
Sports
Cinema
Game

- **Off:** Switches the **Entertainment** function off.
- **Sports**: Provides the optimal picture and sound quality for sports.
- **Cinema**: Provides the optimal picture and sound quality for movie watching. You can experience a richer picture and enhanced sound.
- **Game**: Provides the optimal picture and sound quality for games. This mode accelerates the playing speed when using an external game console connected to the TV.

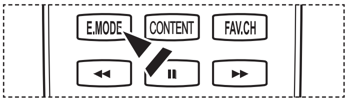
Press the **EXIT** button to exit.

➢ If you set any of the three **Entertainment** modes to On, the settings will be locked and can not be adjusted. If you want to make Picture and Sound mode adjustments, the Entertainment mode must be turned off.

➢ The **Entertainment** settings are saved for each input source.

➢ If you set any of the three “Entertainment” modes to On, “SRS TruSurround XT” function is not available.

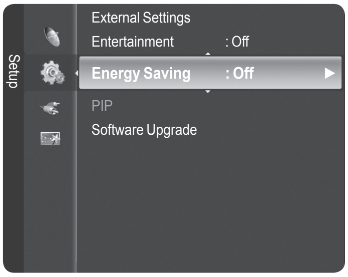
You can press the **E.MODE** button on the remote control repeatedly to change the **Entertainment** setting.


E.MODE
CONTENT
FAV.CH

Using the Energy Saving Feature

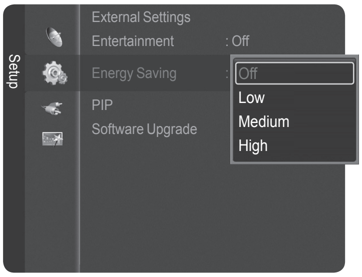
This feature adjusts the power consumption of the unit in order to save energy.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.


Setup
External Settings
Entertainment : Off
Energy Saving : Off
PIP
Software Upgrade

2. Press the ▲ or ▼ button to select **Energy Saving**, then press the **ENTER** button.
   Press the ▲ or ▼ button to select **Off**, **Low**, **Medium**, or **High**, then press the **ENTER** button.

   Press the **EXIT** button to exit.


Setup
External Settings
Entertainment : Off
Energy Saving
PIP
Software Upgrade
Off
Low
Medium
High

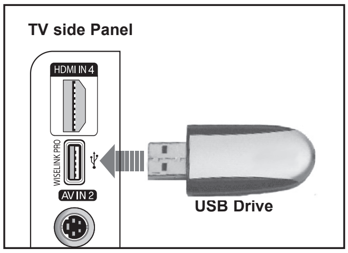
- **Off:** Switches off the Energy Saving mode.
- **Low:** Operates in standard mode.
- **Medium:** Enters medium power saving mode.
- **High:** Enters maximum power saving mode.

Upgrading the Software

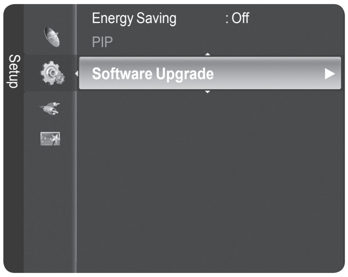
Samsung may offer upgrades for your TV's firmware in the future. Please contact the Samsung call center at 1-800-SAMSUNG to receive information about downloading upgrades and using a USB drive. Upgrades will be possible by connecting a USB drive to the USB port.

1 Insert a USB drive containing the firmware upgrade into the USB Upgrade Port on the side of the TV.

➢ Software can not be upgraded through the LAN connection.

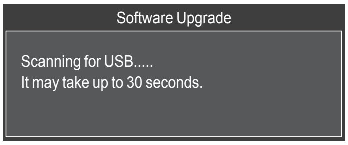


2 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.



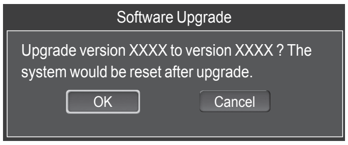
3 Press the ▲ or ▼ button to select **Software Upgrade**, then press the **ENTER** button.

4 The message **Scanning for USB... It may take up to 30 seconds.** is displayed.



Scanning for USB.....
It may take up to 30 seconds.

5 If the firmware on the USB is properly recognized, the message **Upgrade version xxxx to version xxxx? The system would be reset after upgrade.** is displayed.
Press the ◄ or ► button to select **OK**, then press the **ENTER** button.
The upgrade starts.



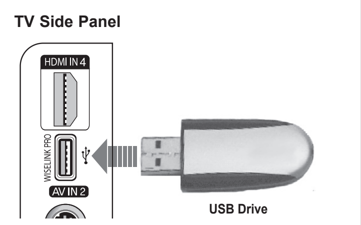
Upgrade version XXXX to version XXXX ? The system would be reset after upgrade.

Please be careful not to disconnect the power or remove the USB drive while upgrades are being applied.
The TV will shut off and turn on automatically after completing the firmware upgrade.
When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.

WISELINK PRO

Using the WISELINK Pro Function

Connecting a USB Device



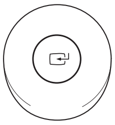
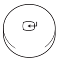
You can view movies and photos and listen to music files stored on a USB Mass Storage Class (MSC) device.

1 Press the **POWER** button on the remote control or front panel.
   ➢ The TV is powered on.

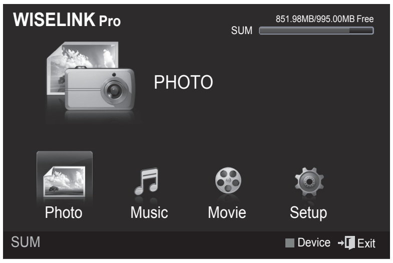
2 Connect a USB device containing JPEG and/or MP3 files to the WISELINK jack (USB jack) on the side of the TV.

➢ If you enter the WISELINK Pro mode with no USB device connected the message **No external storage device found. Check the connection status.** will appear. In this case, insert the USB device, exit the screen by pressing the **W.LINK** button on the remote control and enter the WISELINK Pro screen again.
➢ MTP (Media Transfer Protocol) is not supported.
➢ The file system only supports FAT16/32 (The NTFS file system is not supported).
➢ Certain types of USB Digital camera and audio devices may not be compatible with this TV.
➢ Wiselink Pro only supports USB Mass Storage Class devices (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers (Both USB HDD and HUB are not supported.)
➢ Please connect directly to the USB port of your TV. If you are using a separate cable connection, there may be a USB Compatibility problem.
➢ Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
➢ Do not disconnect the USB device while it is loading.
➢ MSC supports MP3 and JPEG files, while a PTP device supports JPEG files only.
➢ The sequential jpeg format is supported.
➢ Photo and audio files must be named in English, French or Spanish. If not, the files can not be played. Change the file names to English, French or Spanish if necessary.
➢ The higher the resolution of the image, the longer it takes to display on the screen.
➢ The maximum supported JPEG resolution is 15360x8640 pixels.
➢ For unsupported or corrupted files, the **Not Supported File Format** message is displayed.
➢ If the number of photo files exceeds 4000 (or the number of music files exceeds 3000), the files that exceed the limit may not be displayed in the Photo List (or Music List).
➢ MP3 files with DRM downloaded from pay sites are not played.
➢ DRM can prevent illegal uses of digital media to protect its copyright and it encompasses any scheme to control contents which range from making contents to contributing and managing. (ex. payment support)

Using the Remote Control Button in WISELINK Pro Menu

Button	Operations
 (Wheel)	Move the cursor and select an item.
 (Enter)	Select the currently selected item. While playing a slide show, movie, or music file: - Pressing the **ENTER** button during play pauses the play. - Pressing the **ENTER** button during pause resumes the play.
▶/⏸	Play or pause the Slide Show, Music or Movie file.
RETURN	Return to the previous menu.
TOOLS	Run various functions from the Photo, Music and Movie menus.
■	Stop the current slide show, Music or Movie file.
◀◀/▶▶	Jump to previous group / Jump to next group.
INFO	Show file information.
W.LINK	Exit WISELINK Pro mode.
CH ⌃/⌄ FAV.CH PRE-CH CH LIST	Stop WISELILNK Pro mode and Returns to TV mode.
EXIT	Stop the current function and return to the WISELINK Pro main menu.

Using the WISELINK Pro Menu

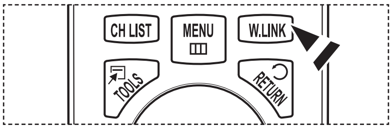

WISELINK Pro
851.98MB/995.00MB Free
SUM
PHOTO
Photo
Music
Movie
Setup
SUM
Device
Exit

1 Press the **MENU** button. Press the ▲ or ▼ button to select **Application**, then press the **ENTER** button.

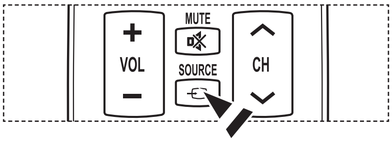
2 Press the ▲ or ▼ button to select **WISELINK Pro**, then press the **ENTER** button.

➢ The **WISELINK Pro** menu is diplayed.

Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.


CH LIST
MENU
W.LINK
TOOLS
RETURN

Press the **SOURCE** button on the remote control repeatedly to select **USB**, then press the **ENTER** button.


VOL
MUTE
SOURCE
CH

3 Press the Red button, then press the ▲ or ▼ button to select the corresponding USB Memory Device (i.e. if connected through a hub). Press the **ENTER** button.

➢ This function differs depending on the USB Memory Device connected to TV.

➢ The selected USB device name appears at the bottom left of the screen.

4 Press the ◀ or ▶ button to select an icon (Photo, Music, Movie, Setup), then press the **ENTER** button.

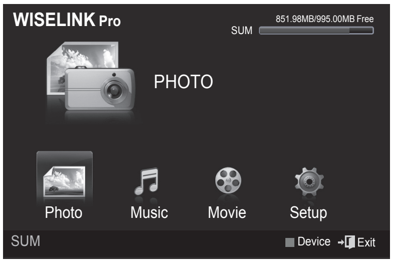
➢ To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

➢ You can enjoy movie games. (Not support game program)

Using the Photo List

This menu shows Photo files saved on an USB memory device.

Photo List


WISELINK Pro
851.98MB/995.00MB Free
SUM
PHOTO
Photo
Music
Movie
Setup
SUM
Device
Exit

1 Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.

2 Press the ◀ or ▶ button to select **Photo**, then press the **ENTER** button.

➢ Photo files are displayed.

➢ This menu only shows files whose file extension is jpg. Files of other formats such as bmp or tiff will not be displayed.

➢ Press the ▶(Play)/**ENTER** button to start the Slide Show.

➢ To move to the previous / next group, press the ◀◀(REW) or ▶▶(FF) button.

➢ When moving to a photo, loading may take a few seconds. At this point, the loading icon will appear at the screen.

➢ It may take some time to load photo files as Thumbnail images.

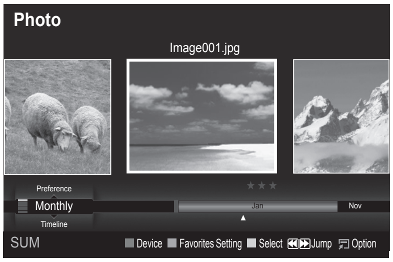
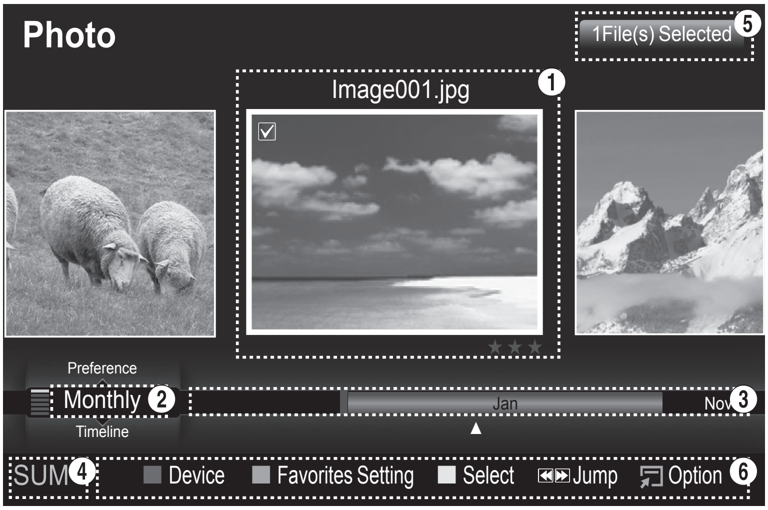


Photo
Image001.jpg
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Favorites Setting
Select
Jump
Option

Continued...

Screen Display



❶ **Currently selected photo**
Shows the currently selected photo.

❷ **Current Sort Standard**
Press the ▲ or ▼ button to change the standard for sorting photos. (**Monthly**, **Timeline**, **Color**, **Composition**, **Folder**, **Preference**)
The item that is selected as the sorting standing is highlighted in the Photo Information Window.

❸ **View Groups**
Shows the sorting groups. The sorting group including the currently selected photo is highlighted.

❹ **Current Device**
Shows the currently selected device name. Press the Red button to select a device.

❺ **Item Selection Information**
Shows the number of photos that are selected by pressing the Yellow button.

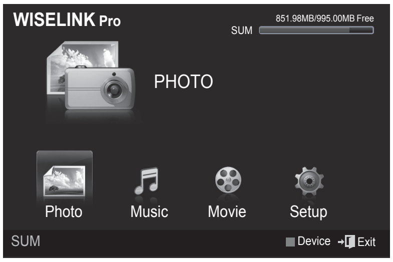
❻ **Help Items**

- **Red(Device) button**: Selects a connected device.
- **Green(Favorites Setting) button**: Changes the favorites setting for the selected photo. Press this button repeatedly until the desired value appears. (Refer to page 75)
- **Yellow(Select) button**: Selects photos from the photo list. Selected photos are marked with a symbol ✓ on the left.
- **◀◀▶▶(Jump) button**: Jumps to the previous sorting group / Jumps to the next sorting group.
- **TOOLS(Option) button**: Displays the **Slide Show**, **Play Current Group**, **Rotate**, **Delete**, **Change Group Info** (in **Color** or **Composition** group),**Information** or **Safe Remove** menus.

Sorting Photo List

You can sort photos in the Photo List by a particular standard.

1. Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.
2. Press the ◄ or ► button to select **Photo**, then press the **ENTER** button.
   ➣ Photo files are displayed.
3. Press the ▲ or ▼ button to select a sorting standard.
   (**Monthly**, **Timeline**, **Color**, **Composition**, **Folder**, **Preference**)
   ➣ The photos are sorted according to the newly selected sorting standard.
4. Press the **ENTER** button to start the Slide Show in the order selected by the user.
   ➣ WISELINK Pro identifies the color and composition of images and groups them accordingly by analyzing the images on the USB device.
   ➣ The **Composition** and **Color** information extracted from a photo file may be different from what you selected.
   ➣ Photo information is automatically set. You can change the **Color**, **Composition**, and **Favorite**.
   ➣ Photos for which information cannot be displayed are set as **Unclassified**.
   ➣ PTP does not support folder sort mode.


WISELINK Pro
851.98MB/995.00MB Free
SUM
PHOTO
Photo
Music
Movie
Setup
SUM
Device
Exit

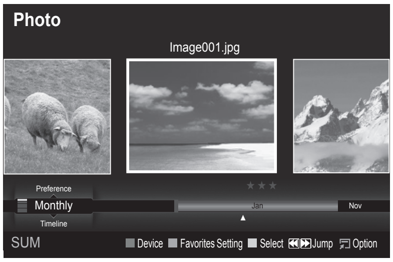


Photo
Image001.jpg
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Favorites Setting
Select
Jump
Option

Monthly

Sorts photos by month.

➣ It sorts and shows photos in the file by month. It sorts only by month (from January to December) regardless of year.

1. Select **Monthly** as the sorting standard in the Photo List.
2. Press the ◄ or ► button to select from the sublist of files grouped by Month.
   ➣ To move to the previous / next group, press the ◄◄ (REW) or ►► (FF) button.
3. Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.
4. Press **ENTER** to play the selected group of photo files from the sublist.

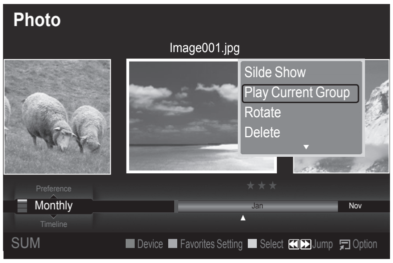


Photo
Image001.jpg
Silde Show
Play Current Group
Rotate
Delete
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Favorites Setting
Select
Jump
Option

Timeline

Sorts photos by time.

➣ It sorts and shows photos by date. It sorts by year and month from the earliest photo.

1. Select **Timeline** as the sorting standard in the Photo List.
2. Press the ◄ or ► button to select from the sublist of files grouped by Timeline.
   ➣ To move to the previous / next group, press the ◄◄ (REW) or ►► (FF) button.
3. Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.
4. Press **ENTER** to play the selected group of photo files from the sublist.

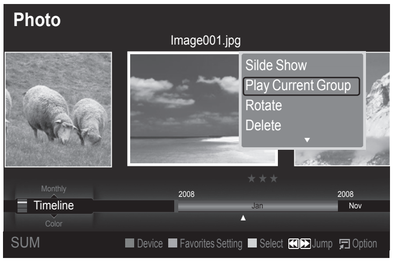


Photo
Image001.jpg
Silde Show
Play Current Group
Rotate
Delete
Monthly
Timeline
Color
2008
Jan
2008
Nov
SUM
Device
Favorites Setting
Select
Jump
Option

Color

You can play and sort photos by color.

To play photos by Color group

1 Select **Color** as the sorting standard in the Photo List.

2 Press the ◄ or ► button to select from the sublist of photos grouped by color.

➢ To move to the previous / next group, press the ◄◄ (REW) or ►► (FF) button.

3 Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.

4 Press **ENTER** to play the selected group of photo files from the sublist.

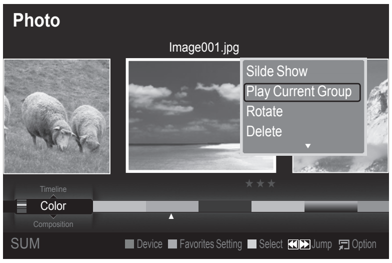


Photo
Image001.jpg
Silde Show
Play Current Group
Rotate
Delete
Timeline
Color
Composition
SUM
Device
Favorites Setting
Select
Jump
Option

Changing the color information of a selected photo

You can change a selected photo's(or a group of photos) color information in order to move it from one color group to another.
* Please note this does not change the actual color of the photo.

1 Select **Color** as the sorting standard in the Photo List and press the ◄ or ► button to select a photo.

➢ **Changing the information of multiple photos**
Press the ◄ or ► button to select the desired photo in the Photo list.
Then press the yellow button.
Repeat the above operation to select multiple photos.
The ✓ mark appears on the top of the left of the selected photo.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Change Group Info**.
Press the **ENTER** button.

4 Press the ◄ or ► button to select the desired color option, then press the **ENTER** button.

➢ The group information is updated and the photos are moved to the new color group.

➢ **Color** options: Red, Yellow, Green, Blue, Magenta, Black, Gray, Unclassified.

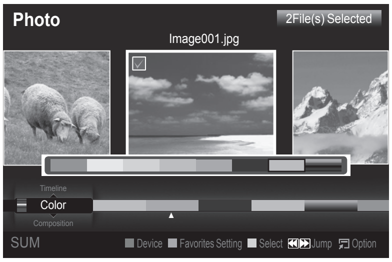


Photo
2File(s) Selected
Image001.jpg
Timeline
Color
Composition
SUM
Device
Favorites Setting
Select
Jump
Option

Composition

You can change the compositional information of photos.

To play photos by Composition Group

1 Select **Composition** as the sorting standard in the Photo List.

2 Press the ◄ or ► button to select from the sublist of photos grouped by compositon.

➢ To move to the previous / next composition group, press the ◄◄ (REW) or ►► (FF) button.

3 Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.

4 Press **ENTER** to play the selected group of photo files from the sublist.

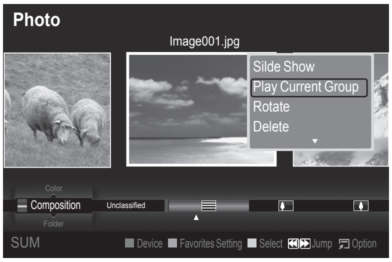


Photo
Image001.jpg
Silde Show
Play Current Group
Rotate
Delete
Color
Composition
Folder
Unclassified
SUM
Device
Favorites Setting
Select
Jump
Option

Changing the composition information of a selected photo

You can change a selected photo's(or a group of photos) composition information in order to move it from one composition group to another.

1 Select **Composition** as the sorting standard in the Photo List and press the ◄ or ► button to select a photo.

➢ **Changing the information of multiple photos**
Press the ◄ or ► button to select the desired photo in the Photo list.
Then press the yellow button.
Repeat the above operation to select multiple photos.
The ✓ mark appears on the top of the left of the selected photo.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Change Group Info**.
Press the **ENTER** button.

4 Press the ◄ or ► button to select the desired composition option, then press the **ENTER** button.

➢ The group information of the current file is updated and the photos are moved to the new composition group.

➢ **Composition** options: ☰ (horizontal), ▥ (vertical), ▮ (object), ▣ (perspective), ▦ (pattern), Unclassified.

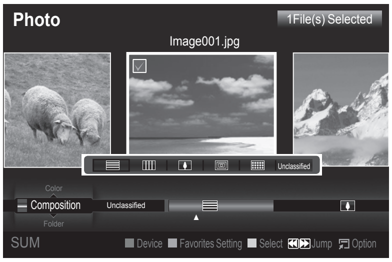


Photo
1File(s) Selected
Image001.jpg
Unclassified
Color
Composition
Folder
Unclassified
SUM
Device
Favorites Setting
Select
Jump
Option

Continued...

Folder

Sorts photos by folder.

➣ If there are many folders in USB, the photos files are shown in order in each folder. The photo file in the Root folder is shown first and the others are shown in alphabetical order by name.

1 Select **Folder** as the sorting standard in the Photo List.

2 Press the ◄ or ► button to select from the sublist of files grouped by folder.

➣ To move to the previous / next group, press the ⏪ (REW) or ⏩ (FF) button.

3 Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.

4 Press **ENTER** to play the selected group of photo files from the sublist.

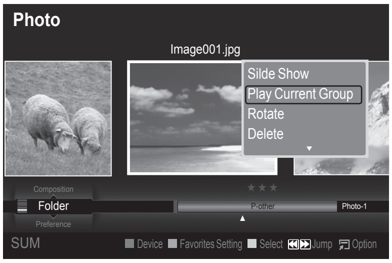


Photo
Image001.jpg
Silde Show
Play Current Group
Rotate
Delete
Composition
Folder
Preference
P-other
Photo-1
SUM
Device
Favorites Setting
Select
Jump
Option

Preference

Sorts photos by preference. (Favorite)

➣ You can change the photo preferences.

1 Select **Preference** as the sorting standard in the Photo List.

2 Press the ◄ or ► button to select from the sublist of files grouped by preference.

➣ To move to the previous / next group, press the ⏪ (REW) or ⏩ (FF) button.

3 Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.

4 Press **ENTER** to play the selected group of photo files from the sublist.

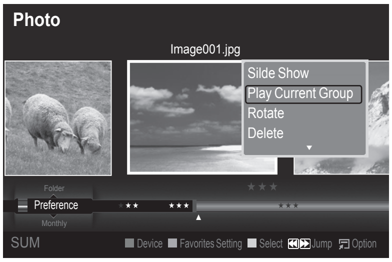


Photo
Image001.jpg
Silde Show
Play Current Group
Rotate
Delete
Folder
Preference
Monthly
SUM
Device
Favorites Setting
Select
Jump
Option

Changing the Favorites setting

1 Press the ◄ or ► button to select the desired photo in the Photo list.

➣ **Changing the information of multiple files**
Press the ◄ or ► button to select the desired photo in the Photo list. Then press the yellow button.
Repeat the above operation to select multiple photos.
The ✓ mark appears on the top of the left of the selected photo.

2 Press the Green button repeatedly until the desired setting appears.

➣ Favorites settings change completed.

➣ **Favorite** options: ☆☆☆, ☆☆★, ☆★★, ★★★

➣ Users can select the number of stars (up to 3) according to their preference.

➣ The stars are for grouping purposes only. For example, the 3 star setting has no priority over the one star setting.

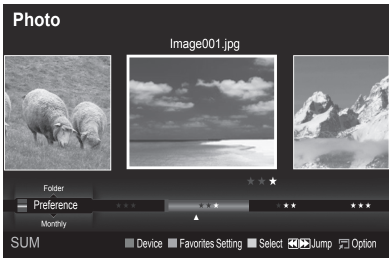


Photo
Image001.jpg
Folder
Preference
Monthly
SUM
Device
Favorites Setting
Select
Jump
Option

Rotating the Photo file

1 Press the ▲ or ▼ button to select a sorting standard. (**Monthly**, **Timeline**, **Color**, **Composition**, **Folder**, **Preference**)

2 Press the ◄ or ► button to select the desired photo in the Photo list.

3 Press the **TOOLS** button.

4 Press the ▲ or ▼ button to select **Rotate**, then press the **ENTER** button. Press the ◄ or ► button repeatedly to rotate the photo by the desired amount.

➣ Whenever you press the ◄ button, it rotates by 270˚, 180˚, 90˚, and 0˚.

➣ Whenever you press the ► button, it rotates by 90˚, 180˚, 270˚, and 0˚.

➣ The Rotating function information icon is displayed.

Icon	Current OSD	Function
0˚	Rotating (0°)	This rotates a photo to its original position
90˚	Rotating (90°)	This rotates a photo by 90 degrees
180˚	Rotating (180°)	This rotates a photo by 180 degrees
270˚	Rotating (270°)	This rotates a photo by 270 degrees

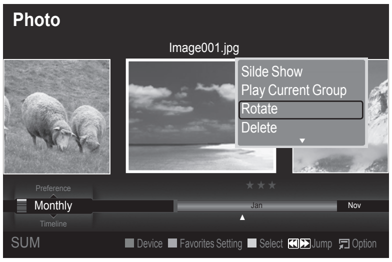


Photo
Image001.jpg
Silde Show
Play Current Group
Rotate
Delete
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Favorites Setting
Select
Jump
Option

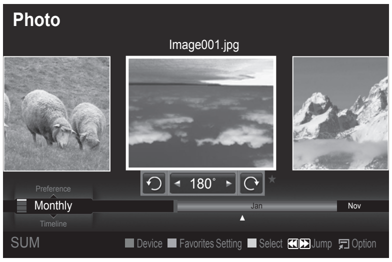


Photo
Image001.jpg
180˚
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Favorites Setting
Select
Jump
Option

Deleting the Photo files

1 Press the ◄ or ► button to select the desired photo in the Photo list.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Delete**, then press the **ENTER** button.
➢ The **Delete this file?** message appear.

4 Press the ◄ or ►button to select **OK**, then press the **ENTER** button.
➢ The photo is deleted.
➢ When a read-only file is deleted, the **Read-only file(s). Delete the file(s)?** message appear.
➢ If you select **Cancel**, the deletion is cancelled.

5 To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.
➢ You cannot remove the PTP-connected digital camera picture files.
➢ While removing files, don't remove the USB memory device.
➢ You cannot recover a deleted photo file.

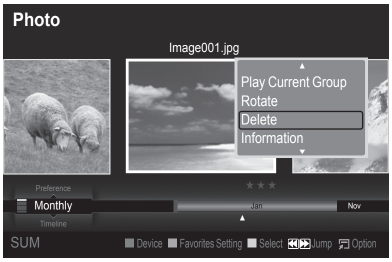
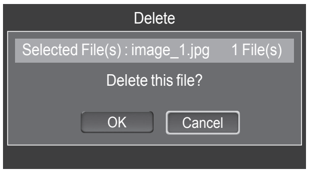


Photo
Image001.jpg
Play Current Group
Rotate
Delete
Information
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Favorites Setting
Select
Jump
Option


Delete

Selected File(s) : image_1.jpg 1 File(s)

Delete this file?

Deleting Multiple Photos

1 Press the ◄ or ► button to select the desired photo in the Photo list. Then press the yellow button.
➢ Repeat the above operation to select multiple photos.
➢ The ✓ mark appears on the top of the left of the selected photo.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Delete Selected File**, then press the **ENTER** button.
➢ The **Delete the selected file(s)?** message appears.

4 Press the ◄ or ► button to select **OK**, then press the **ENTER** button.
➢ The selected photos are deleted.
➢ If you select **Cancel**, the deletion is cancelled.

5 To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.
➢ You cannot remove the read-only files from the selected ones.
➢ You cannot recover a deleted photo file.

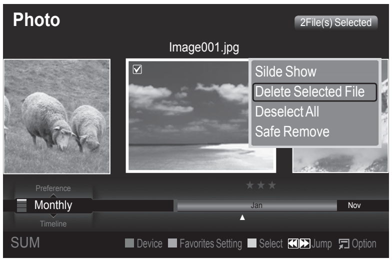
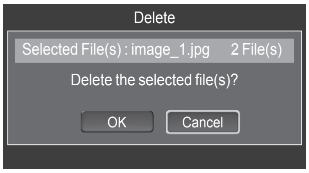


Photo
2File(s) Selected
Image001.jpg
☑
Silde Show
Delete Selected File
Deselect All
Safe Remove
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Favorites Setting
Select
Jump
Option


Delete

Selected File(s) : image_1.jpg 2 File(s)

Delete the selected file(s)?

Viewing the Photo Information

The photo file information including the order of the file in the current directory, the name, the size, the resolution, the date modified and the path is displayed.

1 Press the ◄ or ► button to select the desired photo in the Photo list.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Information**, then press the **ENTER** button.
➢ The information on the selected photo appears.

Press the **INFO** button to viewing the information.

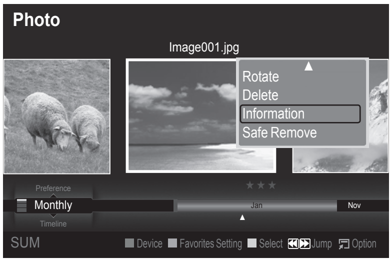


Photo
Image001.jpg
Rotate
Delete
Information
Safe Remove
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Favorites Setting
Select
Jump
Option

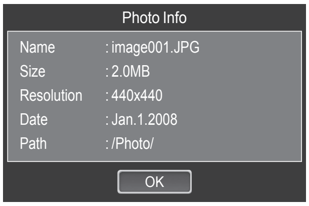
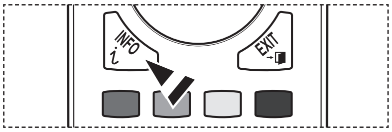


Photo Info

Name : image001.JPG
Size : 2.0MB
Resolution : 440x440
Date : Jan.1.2008
Path : /Photo/



Viewing a Photo or Slide Show

Viewing a Slide Show

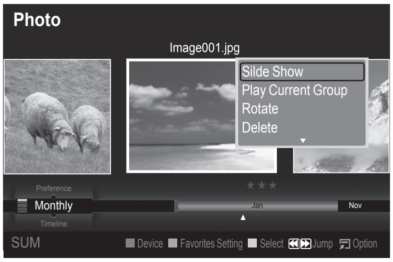
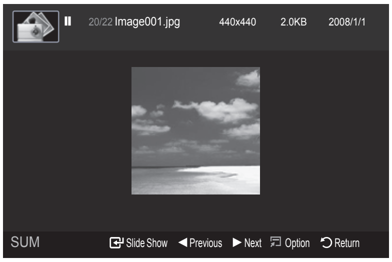
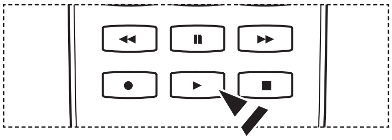


Photo
Image001.jpg
Slide Show
Play Current Group
Rotate
Delete
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Favorites Setting
Select
Jump
Option


20/22 Image001.jpg
440x440
2.0KB
2008/1/1
SUM
Slide Show
Previous
Next
Option
Return



1 Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.

2 Press the ◀ or ▶ button to move to **Photo**, then press the **ENTER** button.
➢ Photo files are displayed.

3 Press the ◀ or ▶ button to select the desired photo in the Photo list.

4 Press the **TOOLS** button.

5 Press the ▲ or ▼ button to select **Slide Show**, then press the **ENTER** button.
➢ All files in the photo list will be used for the Slide Show.

➢ During the slide show, files are displayed in order from the currently shown file.

➢ The Slide Show progresses in the order sorted in the Photo list.

➢ Music files can be automatically played during the Slide Show if the **Background Music** is set to **On**. (Refer to page 79)

While a photo list is displayed, press the ▶ (Play)/ **ENTER** button on the remote control to start the Slide Show.

To perform a Slide Show with only the selected files

1 Press the ◀ or ▶ button to select the desired photo in the Photo list. Then press the yellow button. Repeat the above operation to select multiple photos.
➢ The ✔ mark appears on the top of the left of the selected photo.
➢ If you select one file, the Slide Show will not be performed.

2 Press the ▶ (Play)/ **ENTER** button
➢ The selected files will be used for the Slide Show.
➢ If you have selected files, only the selected files will be used for the Slide Show.

Playing current group

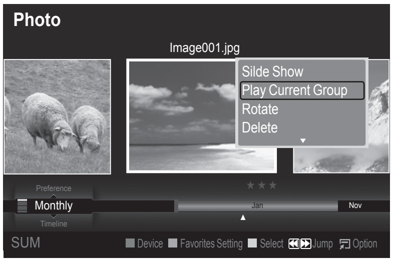


Photo
Image001.jpg
Slide Show
Play Current Group
Rotate
Delete
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Favorites Setting
Select
Jump
Option

1 Press the ▲ or ▼ button to select a sorting standard. (**Monthly**, **Timeline**, **Color**, **Composition**, **Folder**, **Preference**)

2 Press the ◀ or ▶ button to select the desired photo in the Photo list.
➢ To move to the previous / next group, press the ◀◀ (REW) or ▶▶ (FF) button.

3 Press the **TOOLS** button.

4 Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER** button. Only the photos in the sorting group including the selected files will be used for the Slide Show.

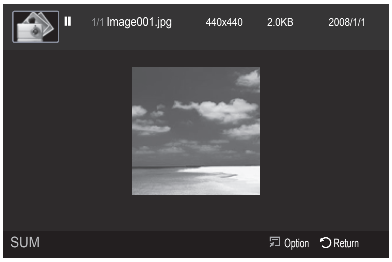
5 To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

Slide show function information icon (Displayed at the top left of the screen).

Icon	Current OSD	Function
▶	(Photo) Slide Show	Photo Slide Show is in progress.
⏸	Photo Pause	You can pause a Slide Show and Music by pressing the ⏸ (pause) / **ENTER** button on the remote control during a Slide Show. To resume the Slide Show, press the ▶ (play) / **ENTER** button on the remote control again.

Continued...

Viewing a photo

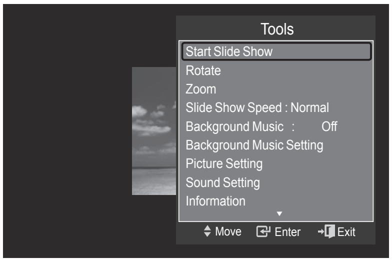

1/1 Image001.jpg
440x440
2.0KB
2008/1/1
SUM
Option
Return

1. Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.
2. Press the ◀ or ▶ button to move to **Photo**, then press the **ENTER** button.
   ➢ Photo files are displayed.
3. Press the ◀ or ▶ button to select the desired photo in the Photo list. Then press the Yellow button to select only one file.
4. Press the **ENTER** button over a photo icon.
   ➢ The currently selected photo is displayed in full screen.

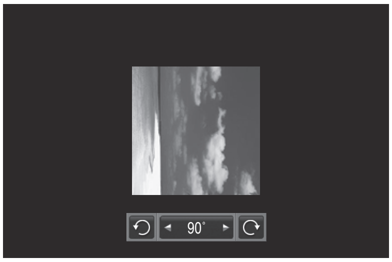
Using the option menu during a slide show (or Viewing a Photo)

1. During a slide show(or viewing a photo), press the **TOOLS** button to set the option.
2. Press the ▲ or ▼ button to select the desired option. Then press the **ENTER** button.

Start Slide Show (or **Stop Slide Show)**
You can start or stop a Slide Show.
Press the ▲ or ▼ button to select **Start Slide Show** (or **Stop Slide Show**), then press the **ENTER** button.


Tools
Start Slide Show
Rotate
Zoom
Slide Show Speed : Normal
Background Music : Off
Background Music Setting
Picture Setting
Sound Setting
Information
Move
Enter
Exit

Rotate
You can rotate images in full screen mode.
Press the ▲ or ▼ button to select **Rotate**, then press the **ENTER** button.
Press the ◀ or ▶ button repeatedly to rotate the photo by the desired amount.



➢ Whenever you press the ◀ button, it rotates by 270˚, 180˚, 90˚, and 0˚.

➢ Whenever you press the ▶ button, it rotates by 90˚, 180˚, 270˚, and 0˚.

➢ If you have select **Zoom**, the **Rotate** function is deactivated

➢ The rotated file is not saved.

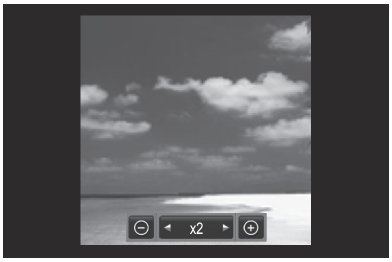
➢ The Rotating function information icon is displayed at the top right of the screen

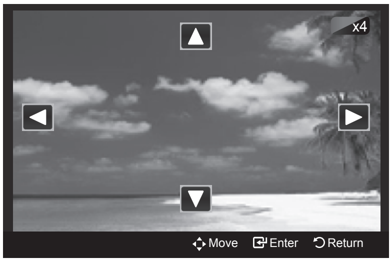
Icon	Current OSD	Function
0˚	Rotating (0°)	This rotates a photo to its original position
90˚	Rotating (90°)	This rotates a photo by 90 degrees
180˚	Rotating (180°)	This rotates a photo by 180 degrees
270˚	Rotating (270°)	This rotates a photo by 270 degrees

Continued...

Zoom

You can zoom into images in full screen mode.
Press the ▲ or ▼ button to select **Zoom**, then press the **ENTER** button.
Press the ◀ or ▶ button repeatedly to increase or decrease the Zoom effect.
(x1 → x2 → x4)
To move the enlarged photo image, press the **ENTER** button, then press the ▲/▼/◀/▶ buttons.




x4
Move
Enter
Return

➢ Note that when the enlarged picture is smaller than the original screen size, the location change function doesn't work.

➢ The enlarged file is not saved.

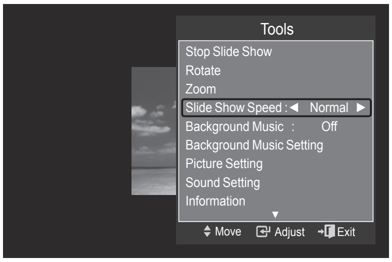
➢ If you have selected **Rotate**, the **Zoom** function is deactivated

➢ Zoom function information icon is displayed at the top right of the screen.

Icon	Current OSD	Function
x1	Zoom (x 1)	Restore a photo to its original size.
x2	Zoom (x 2)	Zoom-into a photo at 2x.
x4	Zoom (x 4)	Zoom-into a photo at 4x.
▼	Pan Down	Pan down to view the lower part of a zoomed-in photo.
▲	Pan Up	Pan up to view the upper part of a zoomed-in photo.
▶	Pan Right	Pan right to view the right side of a zoomed-in photo.
◀	Pan Left	Pan left to view the left side of a zoomed-in photo.

Slide Show Speed

You can select the slide show speed.
Press the ▲ or ▼ button to select **Slide Show Speed**.
Press the ◀ or ▶ button to select the desired option.
(Normal → Fast → Slow)

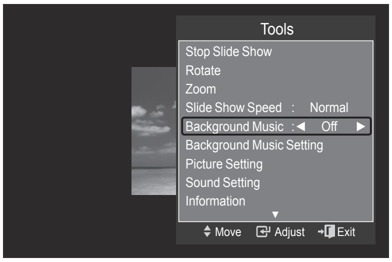

Tools
Stop Slide Show
Rotate
Zoom
Slide Show Speed : ◀ Normal ▶
Background Music : Off
Background Music Setting
Picture Setting
Sound Setting
Information
Move
Adjust
Exit

➢ You can select the **Slide Show speed** only during a slide show.

➢ You can also change the speed of the Slide Show by pressing the ◀◀ (REW) or ▶▶ (FF) key during the Slide Show.

Background Music

If you set **Background Music** On, the background music will be played when viewing photos one by one or in a Slide Show.
Press the ▲ or ▼ button to select **Background Music**.
Press the ◀ or ▶ button to select **On** or **Off**.


Tools
Stop Slide Show
Rotate
Zoom
Slide Show Speed : Normal
Background Music : ◀ Off ▶
Background Music Setting
Picture Setting
Sound Setting
Information
Move
Adjust
Exit

➢ If you set **Background Music** to **On**, a screen appears immediately where you can set the **Background Music**.

- **On**: When the background music is available, if you select On, the music is played back. To use this feature, there must be music and photo files stored on the USB device.
- **Off**: Background music is not played.

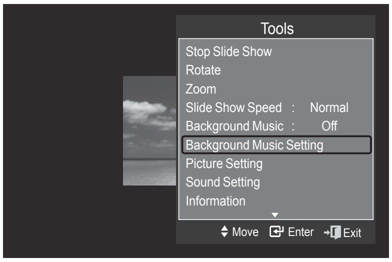
Continued...

Background Music Setting

You can set the background music.

Press the ▲ or ▼ button to select **Background Music Setting**, then press the **ENTER** button.

➣ If you turn off the **Background Music**, even if the **Background Music Settings** have been set up, the background music will not be played.


Tools
Stop Slide Show
Rotate
Zoom
Background Music Setting
Picture Setting
Sound Setting
Information
Move
Enter
Exit

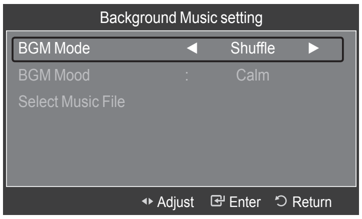
Slide Show Speed : Normal
Background Music : Off

➣ Music files must be loaded and playing to change the BGM mode.

➣ **Background Music setting** menu is displayed.

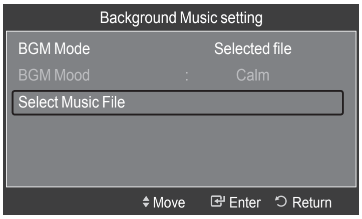
Press the ◄ or ► button to select the desired BGM (Background music) mode. (Shuffle, Selected file, Mood)

- **Shuffle**: Plays music files in random order.
- **Selected file**: Plays a selected music file.
- **Mood**: Plays music files of a particular mood only.

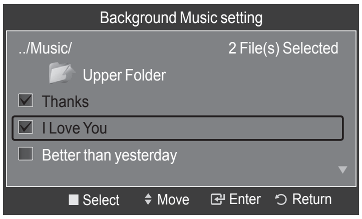

Background Music setting
Select Music File
Adjust
Enter
Return

BGM Mode ◄ Shuffle ►
BGM Mood : Calm

➣ **Selecting the background music file**
Press the ◄ or ► button to set **BGM Mode** to **Selected file**.
Press the ▲ or ▼ button to select **Select Music File**, then press the **ENTER** button.
Press the ▲ or ▼ button to select a music file, then press the yellow button.
The ✓ mark appears to the left of the selected music.
Repeat the above operation to select multiple music files.
Press the **ENTER** button.


Background Music setting
Select Music File
Move
Enter
Return

BGM Mode Selected file
BGM Mood : Calm

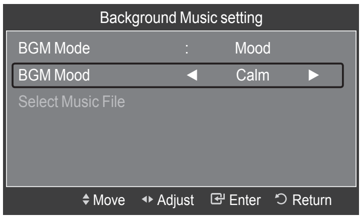

Background Music setting
Upper Folder
Select
Move
Enter
Return

../Music/ 2 File(s) Selected
☑ Thanks
☑ I Love You
☐ Better than yesterday

➣ **Selecting the background music file mood**
Press the ◄ or ► button to set **BGM Mode** to **Mood**.
Press the ▲ or ▼ button to select **BGM Mood**. Then press ◄ or ► button to select the desired BGM mood. Press the **ENTER** button.

BGM mode option: Energetic, Rhythmical, Sad, Exciting, Calm

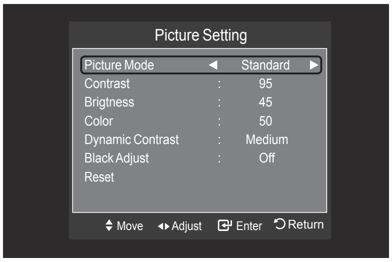
➣ WISELINK Pro identifies and analyzes the mood the music files on the USB device and groups them accordingly.


Background Music setting
Select Music File
Move
Adjust
Enter
Return

BGM Mode : Mood
BGM Mood ◄ Calm ►

Picture Setting

Change the screen settings. (Refer to page 23)


Picture Setting
Reset
Move
Adjust
Enter
Return

Picture Mode ◄ Standard ►
Contrast : 95
Brigtness : 45
Color : 50
Dynamic Contrast : Medium
Black Adjust : Off

Sound Setting

Change the audio settings. (Refer to page 36)

Information

The photo file information including the order of the file in the current directory, the name, the size, the resolution, the date modified and the path is displayed. (Refer to page 76)

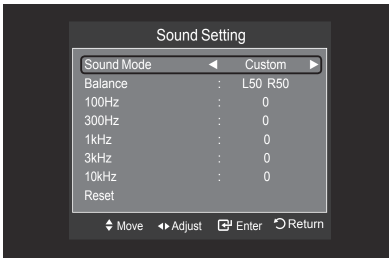
Safe Remove

You can remove the device safely from the TV.

Press the ▲ or ▼ button to select **Safe Remove**, then press the **ENTER** button.

The **Safely removing USB device.** message appears and then the **USB device can now be safely removed from TV.** appears.

Remove the USB device from the TV.

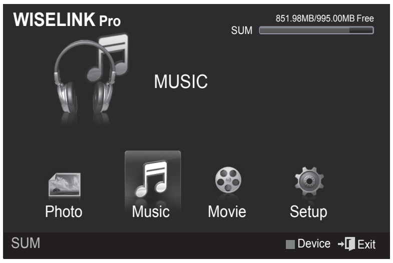

Sound Setting
Reset
Move
Adjust
Enter
Return

Sound Mode ◄ Custom ►
Balance : L50 R50
100Hz : 0
300Hz : 0
1kHz : 0
3kHz : 0
10kHz : 0

Using the Music List

This menu shows MP3 files from among the files saved on a USB memory device.

1 Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.

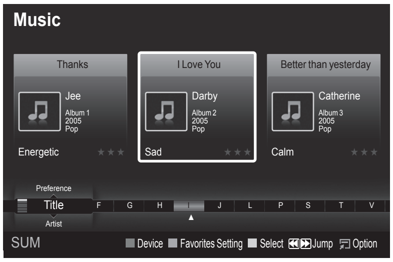

WISELINK Pro
851.98MB/995.00MB Free
SUM
MUSIC
Photo
Music
Movie
Setup
SUM
Device
Exit

2 Press the ◄ or ► button to select **Music**, then press the **ENTER** button.

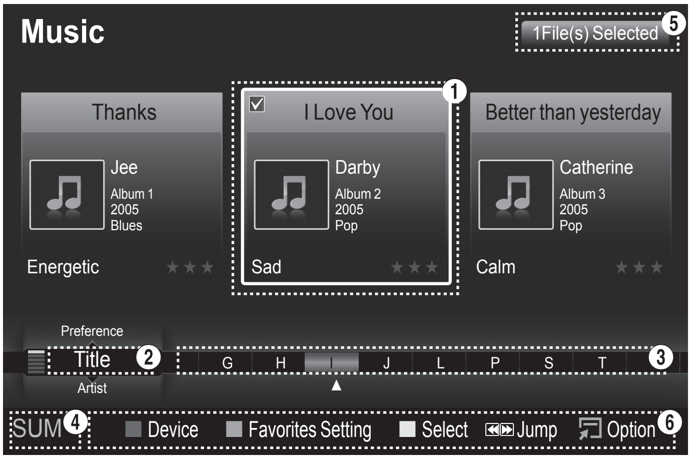
➣ Music files are displayed.

➣ Press the ▷ (Play) / **ENTER** button over a music icon to play the music.

➣ To move to the previous / next group, press the ◄◄ (REW) or ►► (FF) button.


Music
Thanks
Jee
Album 1
2005
Pop
Energetic
I Love You
Darby
Album 2
2005
Pop
Sad
Better than yesterday
Catherine
Album 3
2005
Pop
Calm
Preference
Title
Artist
F G H I J L P S T V
SUM
Device
Favorites Setting
Select
Jump
Option

Screen Display


Music
1File(s) Selected
5
Thanks
Jee
Album 1
2005
Blues
Energetic
☑
I Love You
1
Darby
Album 2
2005
Pop
Sad
Better than yesterday
Catherine
Album 3
2005
Pop
Calm
Preference
Title
2
Artist
G H I J L P S T
3
SUM
4
Device
Favorites Setting
Select
Jump
Option
6

① **Currently selected music**
Shows the currently selected music.

② **Current Sort Standard**
Press the ▲ or ▼ button to change the standard for sorting music files.
(**Title**, **Artist**, **Mood**, **Genre**, **Folder**, **Preference**)

③ **View Groups**
Shows the sorting groups. The sorting group including the currently selected music file is highlighted.

④ **Current Device**
Shows the currently selected device name. Press the Red button to select a device.

❺ **Item Selection Information**

Shows the number of music files that are selected by pressing the Yellow button.

❻ **Help Items**

- **Red(Device) button**: Selects a connected device.
- **Green(Favorites Setting) button**: Changes the favorites setting for the selected music. Press this button repeatedly until the desired value appears. (Refer to page 84)
- **Yellow(Select) button**: Selects music files from the music list. Selected music files are marked with a symbol ✓ on the left.
- ⏪⏩ **(Jump) button**: Jumps to the previous sorting group / Jumps to the next sorting group.
- **TOOLS(Option) button**: Displays the **Play Current Group**, **Delete**, **Change Group Info** (in **Mood** group), **Information** or **Safe Remove** menus.

Sorting Music List

You can sort music files in the Music List by a particular standard.

1 Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.

2 Press the ◄ or ► button to select **Music**, then press the **ENTER** button.

➢ Music files are displayed.

3 Press the ▲ or ▼ button to select a sorting standard. (**Title**, **Artist**, **Mood**, **Genre**, **Folder**, **Preference**)

➢ Music files are sorted according to the newly selected sorting standard.

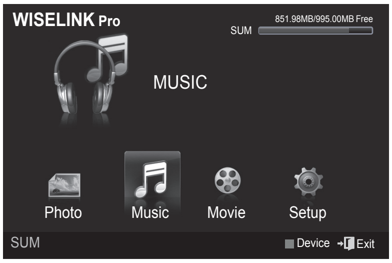
4 Press the **ENTER** button to start playing music in the order selected by the user.

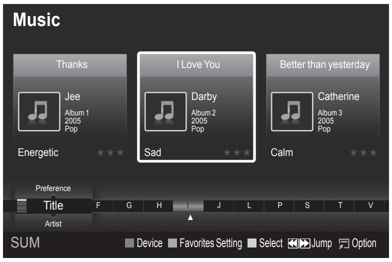
➢ Music information is set automatically and you can change the Favorite information.

➢ Music files for which information cannot be displayed are set to **Unclassified**.

➢ If there is no title information for a music file, the filename is displayed.

➢ If no information is available for the Genre, Artist, Album, or Year, the corresponding item is displayed as blank.


WISELINK Pro
851.98MB/995.00MB Free
SUM
MUSIC
Photo
Music
Movie
Setup
SUM
Device
Exit


Music
Thanks
Jee
Album 1
2005
Pop
Energetic
I Love You
Darby
Album 2
2005
Pop
Sad
Better than yesterday
Catherine
Album 3
2005
Pop
Calm
Preference
Title
Artist
F G H I J L P S T V
SUM
Device
Favorites Setting
Select
Jump
Option

Title

Sorts music files by the title.

➢ It sorts and displays the Music titles in alphabetical order.

1 Select **Title** as the sorting standard in the Music List.

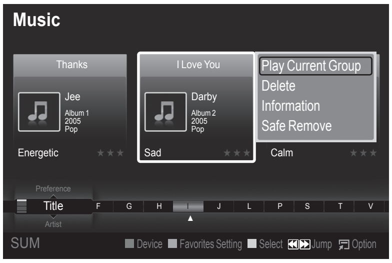
2 Press the ◄ or ► button to select from the sublist of files grouped in alphabetical order.

➢ To move to the previous / next group, press the ⏪ (REW) or ⏩ (FF) button.

3 Press the **TOOLS** button.

4 Press the ▲ or ▼ button to select **Play Current Group**.

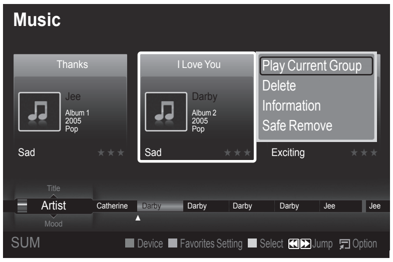
5 Press **ENTER** to play the selected group of music files from the sublist.


Music
Thanks
Jee
Album 1
2005
Pop
Energetic
I Love You
Darby
Album 2
2005
Pop
Sad
Play Current Group
Delete
Information
Safe Remove
Calm
Preference
Title
Artist
F G H I J L P S T V
SUM
Device
Favorites Setting
Select
Jump
Option

Artist

Sorts music files by the artist.

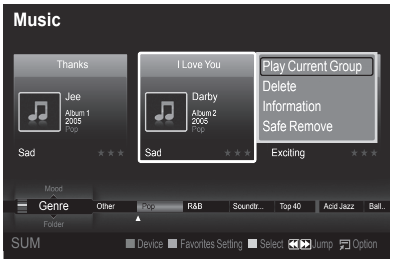
➢ It sorts the music file by artist in alphabetical order.


Music
Thanks
Jee
Album 1
2005
Pop
Sad
I Love You
Darby
Album 2
2005
Pop
Sad
Play Current Group
Delete
Information
Safe Remove
Exciting
Title
Artist
Mood
Catherine
Darby
Darby
Darby
Darby
Jee
Jee
SUM
Device
Favorites Setting
Select
Jump
Option

1 Select **Artist** as the sorting standard in the Music List.
2 Press the ◄ or ► button to select from the sublist of files grouped in alphabetical order.
   ➢ To move to the previous / next group, press the ⏪ (REW) or ⏩ (FF) button.
3 Press the **TOOLS** button.
4 Press the ▲ or ▼ button to select **Play Current Group**.
5 Press **ENTER** to play the selected group of music files from the sublist.

Genre

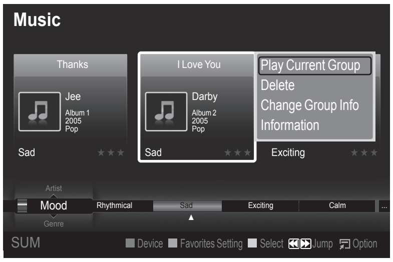
Sorts music files by the genre.


Music
Thanks
Jee
Album 1
2005
Pop
Sad
I Love You
Darby
Album 2
2005
Pop
Sad
Play Current Group
Delete
Information
Safe Remove
Exciting
Mood
Genre
Folder
Other
Pop
R&B
Soundtr...
Top 40
Acid Jazz
Ball..
SUM
Device
Favorites Setting
Select
Jump
Option

1 Select **Genre** as the sorting standard in the Music List.
2 Press the ◄ or ► button to select from the sublist of files grouped by Genre.
   ➢ To move to the previous / next group, press the ⏪ (REW) or ⏩ (FF) button.
3 Press the **TOOLS** button.
4 Press the ▲ or ▼ button to select **Play Current Group**.
5 Press **ENTER** to play the selected group of music files from the sublist.

Mood

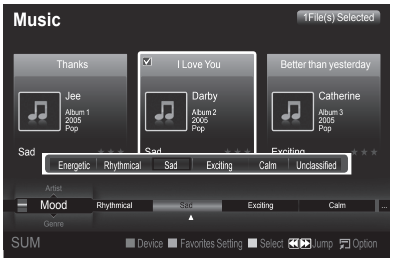
You can play and sort music files by mood.


Music
Thanks
Jee
Album 1
2005
Pop
Sad
I Love You
Darby
Album 2
2005
Pop
Sad
Play Current Group
Delete
Change Group Info
Information
Exciting
Artist
Mood
Genre
Rhythmical
Sad
Exciting
Calm
SUM
Device
Favorites Setting
Select
Jump
Option

1 Select **Mood** as the sorting standard in the Music List.
2 Press the ◄ or ► button to select from the sublist of music files grouped mood.
   ➢ To move to the previous / next mood group, press the ⏪ (REW) or ⏩ (FF) button.
3 Press the **TOOLS** button.
4 Press the ▲ or ▼ button to select **Play Current Group**.
5 Press **ENTER** to play the selected group of music files from the sublist.

Changing the Mood information of a selected music file

You can change a selected music file's (or group of files) mood information in order to move it from one mood group to another.


Music
1File(s) Selected
Thanks
Jee
Album 1
2005
Pop
Sad
I Love You
Darby
Album 2
2005
Pop
Sad
Better than yesterday
Catherine
Album 3
2005
Pop
Exciting
Energetic
Rhythmical
Sad
Exciting
Calm
Unclassified
Artist
Mood
Genre
Rhythmical
Sad
Exciting
Calm
SUM
Device
Favorites Setting
Select
Jump
Option

1 Select **Mood** as the sorting standard in the Music List and press the ◄ or ► button to select a music file.
2 Press the **TOOLS** button.
3 Press the ▲ or ▼ button to select **Change Group Info**. Press the **ENTER** button.
   ➢ The ✓ mark appears on the top of the left of the selected music file.
   ➢ WISELINK Pro identifies the mood of the music files and groups them accordingly by analyzing the music files on the USB device.
   ➢ **Mood** information extracted from a music file may not always match the Mood option. For example, a file you think is **Energetic** may be extracted to the **Exciting** mood option.
4 Press the ◄ or ► button to select the desired mood option, then press the **ENTER** button.
   ➢ The group information of the current file is updated and the file is moved to the new group.
   ➢ **Mood** options: Energetic, Rhythmical, Sad, Exciting, Calm, Unclassified

Folder

Sorts music files by the folder.

➢ If there are many folders in USB, the files are shown in order in each folder. The music file in the Root folder is shown first and the others are shown in alphabetical order by name.

1 Select **Folder** as the sorting standard in the Music List.

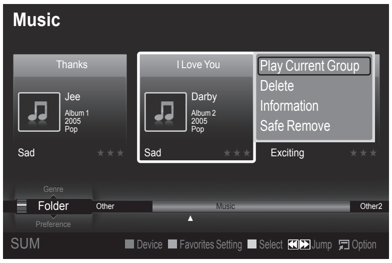
2 Press the ◄ or ► button to select from the sublist of files grouped by Folder.

➢ To move to the previous / next group, press the ◄◄ (REW) or ►► (FF) button.

3 Press the **TOOLS** button.

4 Press the ▲ or ▼ button to select **Play Current Group**.

5 Press **ENTER** to play the selected group of music files from the sublist.


Music
Thanks
Jee
Album 1
2005
Pop
Sad
I Love You
Darby
Album 2
2005
Pop
Sad
Play Current Group
Delete
Information
Safe Remove
Exciting
Genre
Folder
Preference
Other
Music
Other2
SUM
Device
Favorites Setting
Select
Jump
Option

Preference

Sorts music files by preference. (Favorite)

➢ You can change the music files preferences.

1 Select **Preference** as the sorting standard in the Music List.

2 Press the ◄ or ► button to select from the sublist of files grouped by Preference.

➢ To move to the previous / next group, press the ◄◄ (REW) or ►► (FF) button.

3 Press the **TOOLS** button.

4 Press the ▲ or ▼ button to select **Play Current Group**.

5 Press **ENTER** to play the selected group of music files from the sublist.

Changing the Favorites setting

1 Press the ◄ or ► button to select the desired music in the music list.

2 Press the Green button repeatedly until the desired setting appears.

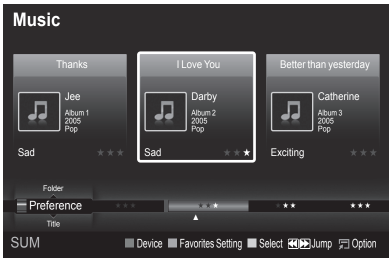
➢ Favorites settings change completed.

➢ **Favorite** options: ★★★, ★★★, ★★★, ★★★

➢ Users can select the number of stars (up to 3) according to their preference.

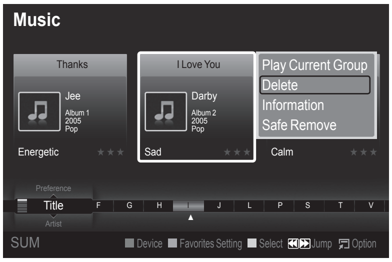
➢ The stars are for grouping purposes only. For example, the 3 star setting has no priority over the one star setting.

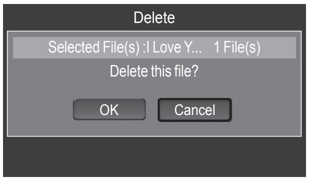
3 Press the **ENTER** button to start playing music.


Music
Thanks
Jee
Album 1
2005
Pop
Sad
I Love You
Darby
Album 2
2005
Pop
Sad
Better than yesterday
Catherine
Album 3
2005
Pop
Exciting
Folder
Preference
Title
SUM
Device
Favorites Setting
Select
Jump
Option

Deleting the Music file

1. Press the ◄ or ► button to select the desired music file in the music list.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Delete**, then press the **ENTER** button.
   ➣ The (for example) **Delete this file?** message appear.
4. Press the ◄ or ► button to select **OK**, then press the **ENTER** button.
   ➣ The music is deleted.
   ➣ When a read-only file is deleted, the **Read-only file(s). Delete the file(s)?** message appear.
   ➣ If you select **Cancel**, the deletion is cancelled.
5. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.
   ➣ While removing files, don't remove the USB memory device.
   ➣ You cannot recover deleted music files.


Music
Thanks
Jee
Album 1
2005
Pop
Energetic
I Love You
Darby
Album 2
2005
Pop
Sad
Calm
Play Current Group
Delete
Information
Safe Remove
Preference
Title
Artist
F G H J L P S T V
SUM
Device
Favorites Setting
Select
Jump
Option

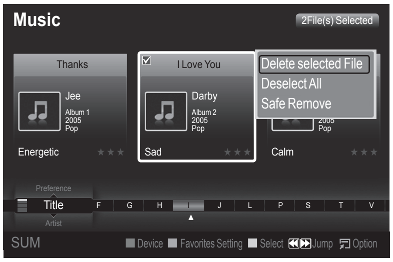

Delete
OK
Cancel

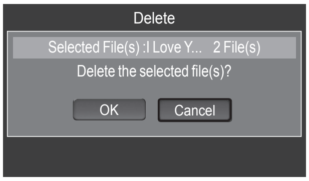
Selected File(s) :I Love Y... 1 File(s)

Delete this file?

Deleting Multiple Music files

1. Press the ◄ or ► button to select the desired music in the music list. Then press the yellow button.
   ➣ Repeat the above operation to select multiple music files.
   ➣ The ✓ mark appears to the left of the selected music files.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Delete selected File**, then press the **ENTER** button.
   ➣ The (for example) **Delete the selected file(s)?** message appear.
4. Press the ◄ or ► button to select **OK**, then press the **ENTER** button.
   ➣ The selected music files are deleted.
   ➣ If you select **Cancel**, the deletion is cancelled.
5. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.
   ➣ You cannot remove the read-only files from the selected ones.
   ➣ You cannot restore the deleted music files.


Music
2File(s) Selected
Thanks
Jee
Album 1
2005
Pop
Energetic
☑ I Love You
Darby
Album 2
2005
Pop
Sad
Calm
Delete selected File
Deselect All
Safe Remove
Preference
Title
Artist
F G H J L P S T V
SUM
Device
Favorites Setting
Select
Jump
Option


Delete
OK
Cancel

Selected File(s) :I Love Y... 2 File(s)

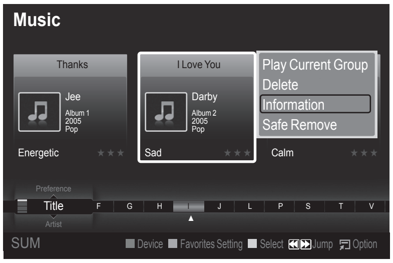
Delete the selected file(s)?

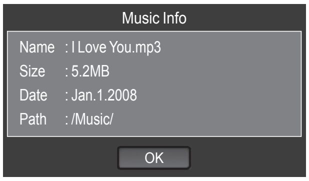
Viewing the Information

The music file information including the order of the file in the current directory, the name, the size, the date modified and the path is displayed.

1. Press the ◄ or ► button to select the desired music in the music list.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Information**, then press the **ENTER** button.

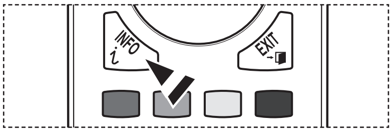
➣ The information on the selected file appears.


Music
Thanks
Jee
Album 1
2005
Pop
Energetic
I Love You
Darby
Album 2
2005
Pop
Sad
Calm
Play Current Group
Delete
Information
Safe Remove
Preference
Title
Artist
F G H J L P S T V
SUM
Device
Favorites Setting
Select
Jump
Option


Music Info
OK

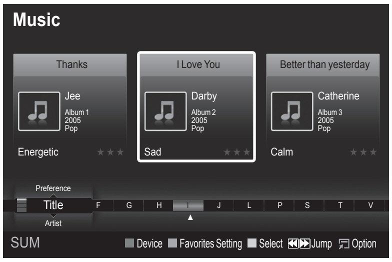
Name : I Love You.mp3
Size : 5.2MB
Date : Jan.1.2008
Path : /Music/

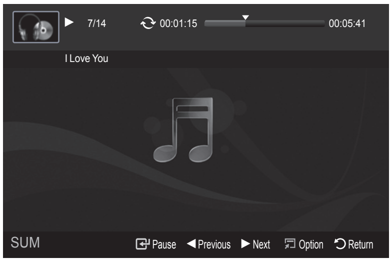
Press the **INFO** button to viewing the information.



Playing a Music File

Playing a music file


Music
Thanks
Jee
Album 1
2005
Pop
Energetic
I Love You
Darby
Album 2
2005
Pop
Sad
Better than yesterday
Catherine
Album 3
2005
Pop
Calm
Preference
Title
Artist
F G H J L P S T V
SUM
Device
Favorites Setting
Select
Jump
Option


7/14
00:01:15
00:05:41
I Love You
SUM
Pause
Previous
Next
Option
Return

1 Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.

2 Press the ◀ or ▶ button to select **Music**, then press the **ENTER** button.

➣ Music files are displayed.

3 Pressing the ◀ or ▶ button to select a music file to be played, then press the **ENTER** button.

➣ This menu only shows files with the MP3 file extension. Files with other file extensions are not displayed, even if they are saved on the same USB device.

➣ Press the ▶ (Play) / **ENTER** button over a music icon to play the music.

➣ ◀◀ (REW) or ▶▶ (FF) buttons do not function during play.

➣ Press the ❚❚ (Pause) / **ENTER** button while playing a music file to pause the file. Press the ■ (Stop) button to exit Play mode.

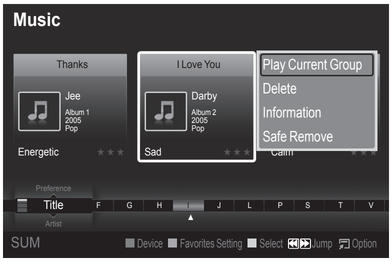
➣ The selected file is displayed at the top with its playing time.

➣ To adjust the music volume, press the **VOL** + or **VOL** − button on the remote control. To mute the sound, press the **MUTE** button on the remote control.

➣ The playing duration of a music file may be displayed as '00:00:00' if its playing time information is not found at the start of the file.

4 To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

Playing the music group


Music
Thanks
Jee
Album 1
2005
Pop
Energetic
I Love You
Darby
Album 2
2005
Pop
Sad
Play Current Group
Delete
Information
Safe Remove
Calm
Preference
Title
Artist
F G H J L P S T V
SUM
Device
Favorites Setting
Select
Jump
Option

1 Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.

2 Press the ◀ or ▶ button to select **Music**, then press the **ENTER** button.

➣ To move to the previous / next group, press the ◀◀ (REW) or ▶▶ (FF) button.

3 Press the ◀ or ▶ button to select the desired music file.

4 Press the **TOOLS** button.

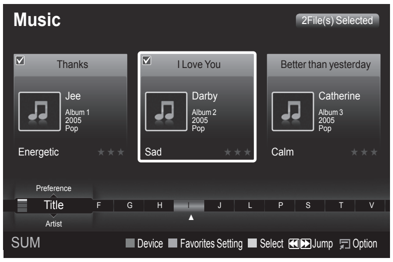
5 Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER** button.

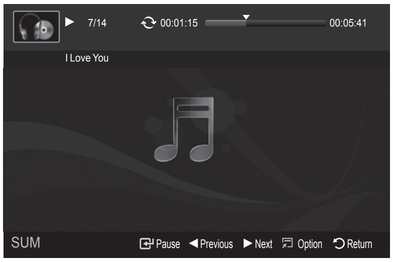
➣ The music files in the sorting group including the selected file are played.

6 To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

Playing the selected music files

1. Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.
2. Press the ◄ or ► button to select **Music**, then press the **ENTER** button.
3. Press the ◄ or ► button to select the desired music file, then press the yellow button. Repeat the above operation to select multiple music files.
   ➣ The ✓ mark appears to the left of the selected music file.
4. Press the ▶ (Play) / **ENTER** button.
   ➣ Only the selected file is played.
   ➣ Press the ■ (Stop) button while playing to stop the current item and to return to the music list.
5. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.


Music
2File(s) Selected
Thanks
I Love You
Better than yesterday
Jee
Album 1
2005
Pop
Darby
Album 2
2005
Pop
Catherine
Album 3
2005
Pop
Energetic
Sad
Calm
Preference
Title
Artist
F G H I J L P S T V
SUM
Device
Favorites Setting
Select
Jump
Option


7/14
00:01:15
00:05:41
I Love You
SUM
Pause
Previous
Next
Option
Return

Music function information icon (Displayed at the top left of the screen)

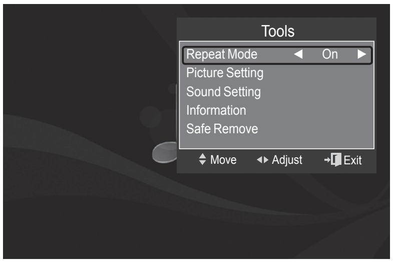
Icon	Current OSD	Function
⟳	(Music) Repeat	When all music files in the folder(or the selected file) are repeated. **Repeat Mode** is **On**.
↻	(Music) Once	When all music files in the folder(or the selected file) are played once. **Repeat Mode** is **Off**.
▶ / ⏸	(Music) Play/Pause	When pressing the ▶ (Play)/ ⏸ (Pause)/**ENTER** button on the remote control while music is playing.

Repeating Music Play

1. While a Music file is playing, press the **TOOLS** button.
2. Press the ▲ or ▼ button to select **Repeat Mode**.
3. Press the ◄ or ► button to select **On** or **Off**.

   - **On**: Plays back all music files in the folder(or the selected file) repeatedly.
   - **Off**: Doesn't play back repeatedly.

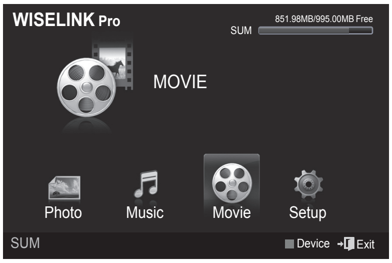
4. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

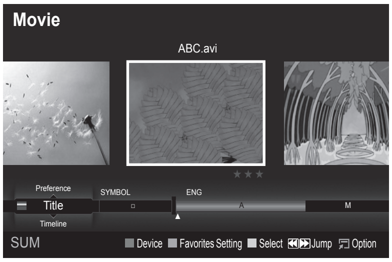

Tools
Repeat Mode
On
Picture Setting
Sound Setting
Information
Safe Remove
Move
Adjust
Exit

Using the Movie List

This menu shows Movies files and folders saved on an USB memory device.

Movie List


WISELINK Pro
851.98MB/995.00MB Free
SUM
MOVIE
Photo
Music
Movie
Setup
SUM
Device
Exit


Movie
ABC.avi
Preference
Title
Timeline
SYMBOL
ENG
A
M
SUM
Device
Favorites Setting
Select
Jump
Option

1 Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.

2 Press the ◄ or ► button to select **Movie**, then press the **ENTER** button.

➣ Movie files are displayed.

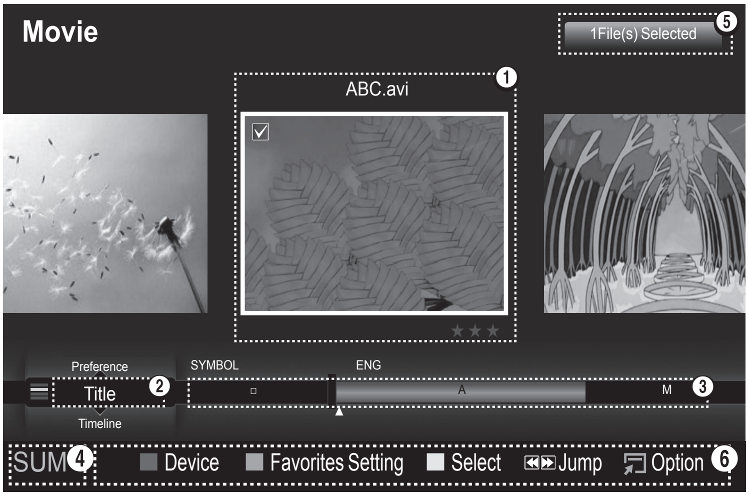
➣ Press the ▷ (Play) / **ENTER** button over a movie icon to play the movie.

➣ When moving to a movie, loading may take a few seconds. At this point, the loading icon will appear on the screen.

➣ Supported Video Formats

File Extension	Video Decoder	Resolution	Audio codec
avi	Xvid	800X600	PCM
			ADPCM
	H.264 MP	1920X1080	AC3
	MPEG4 SP	800X600	PCM
			ADPCM
	MPEG4 ASP	800X600	ADPCM
	MJPEG	800X600	PCM
mp4	H.264 BP	1920X1080	AAC
	H.264 MP	1920X1080	PCM
			AAC
mpg	MPEG2	1920X1080	AC3
vro vob	MPEG2	1920X1080	AC3

Screen Display


Movie
1File(s) Selected
5
ABC.avi
1
☑
Preference
Title
2
Timeline
SYMBOL
ENG
A
M
3
SUM
4
Device
Favorites Setting
Select
Jump
Option
6

❶ **Currently selected movie**
Shows the currently selected movie.

❷ **Current Sort Standard**
Press the ▲ or ▼ button to change the standard for sorting Movies.
(**Title**, **Timeline**, **Folder**, **Preference**)

❸ **View Groups**
Shows the sorting groups. The sorting group including the currently selected movie is highlighted.

❹ **Current Device**
Shows the currently selected device name. Press the Red button to select a device.

❺ **Item Selection Information**
Shows the number of movie files that are selected by pressing the Yellow button.

❻ **Help Items**

- **Red(Device) button**: Selects a connected device.
- **Green(Favorites Setting) button**: Changes the favorites setting for the selected movie. Press this button repeatedly until the desired value appears. (Refer to page 83)
- **Yellow(Select) button**: Selects movies from the movie list. Selected movies are marked with a symbol ✓ on the left.
- ⏪⏩ **(Jump) button**: Jumps to the previous sorting group / Jumps to the next sorting group.
- **TOOLS(Option) button**: Displays the **Play Current Group**, **Delete**, **Information** or **Safe Remove** menus.

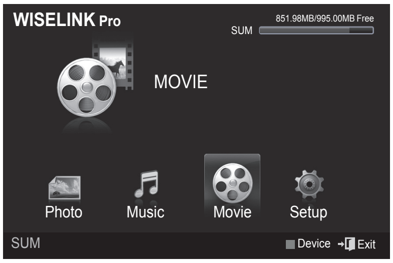
Sorting Movie List

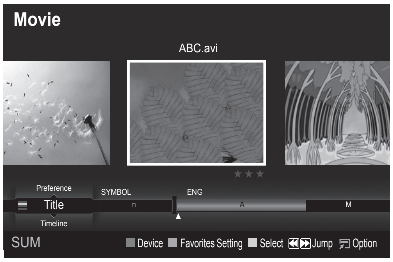
You can sort movies in the Movie List by a particular standard.

1 Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.

2 Press the ◄ or ► button to select **Movie**, then press the **ENTER** button.
➣ Movie files are displayed.

3 Press the ▲ or ▼ button to select a sorting standard. (**Title**, **Timeline**, **Folder**, **Preference**)
➣ The movies are sorted according to the newly selected sorting standard.
➣ Movie information is automatically set. You can change the **Favorite**.


WISELINK Pro
851.98MB/995.00MB Free
SUM
MOVIE
Photo
Music
Movie
Setup
SUM
Device
Exit


Movie
ABC.avi
Preference
Title
Timeline
SYMBOL
ENG
A
M
SUM
Device
Favorites Setting
Select
Jump
Option

Title

Sorts movie files by the title.

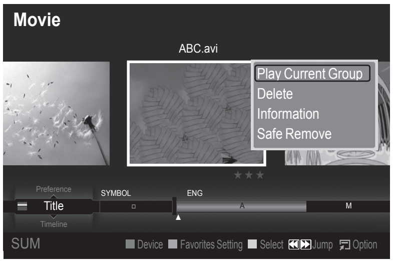
➣ It sorts and displays the Movie titles in alphabetical order.

1 Select **Title** as the sorting standard in the Movie List.

2 Press the ◄ or ► button to select from the sublist of files grouped by Title.
➣ To move to the previous / next group, press the ⏪ (REW) or ⏩ (FF) button.

3 Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.

4 Press **ENTER** to play the selected group of movie files from the sublist.

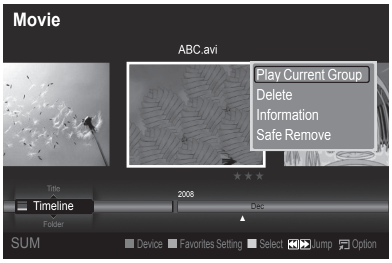

Movie
ABC.avi
Play Current Group
Delete
Information
Safe Remove
Preference
Title
Timeline
SYMBOL
ENG
A
M
SUM
Device
Favorites Setting
Select
Jump
Option

Timeline

Sorts movies by time.

➢ It sorts and shows movies by date. It sorts by year and month from the earliest movie.

1. Select **Timeline** as the sorting standard in the Movie List.
2. Press the ◄ or ► button to select from the sublist of files grouped by Timeline.
   ➢ To move to the previous / next group, press the ◄◄ (REW) or ►► (FF) button.
3. Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.
4. Press **ENTER** to play the selected group of movie files from the sublist.

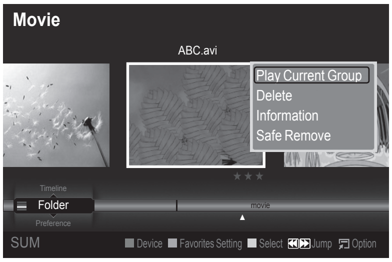

Movie
ABC.avi
Play Current Group
Delete
Information
Safe Remove
★★★
Title
Timeline
Folder
2008
Dec
SUM
Device
Favorites Setting
Select
Jump
Option

Folder

Sorts movies by folder.

➢ If there are many folders in USB, the movies files are shown in order in each folder. The movie file in the Root folder is shown first and the others are shown in alphabetical order by name.

1. Select **Folder** as the sorting standard in the Movie List.
2. Press the ◄ or ► button to select from the sublist of files grouped by folder.
   ➢ To move to the previous / next group, press the ◄◄ (REW) or ►► (FF) button.
3. Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.
4. Press **ENTER** to play the selected group of movie files from the sublist.

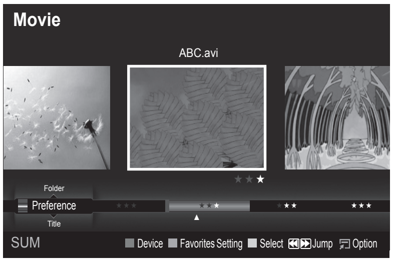

Movie
ABC.avi
Play Current Group
Delete
Information
Safe Remove
★★★
Timeline
Folder
Preference
movie
SUM
Device
Favorites Setting
Select
Jump
Option

Preference

Sorts movies by preference. (Favorite)

➢ You can change the movie preferences.

1. Select **Preference** as the sorting standard in the Movie List.
2. Press the ◄ or ► button to select from the sublist of files grouped by preference.
   ➢ To move to the previous / next group, press the ◄◄ (REW) or ►► (FF) button.
3. Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.
4. Press **ENTER** to play the selected group of movie files from the sublist.


Movie
ABC.avi
★★★
Folder
Preference
Title
★★★
★★★
★★★
★★★
SUM
Device
Favorites Setting
Select
Jump
Option

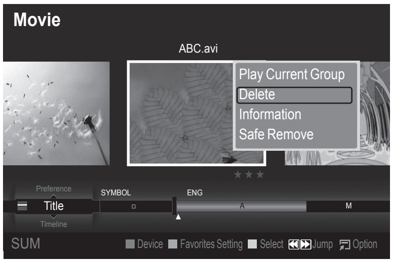
Changing the Favorites setting

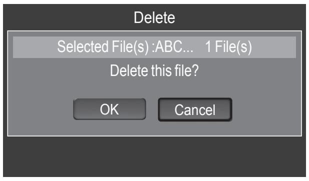
1. Press the ◄ or ► button to select the desired movie in the movie list.
2. Press the Green button repeatedly until the desired setting appears.
   ➢ Favorites settings change completed.
   ➢ **Favorite** options: ★★★, ★★★, ★★★, ★★★
   ➢ The stars are for grouping purposes only. For example, the 3 star setting has no priority over the one star setting.

➢ To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

Deleting a Movie file

1. Press the ◄ or ► button to select the desired movie in the Movie list.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Delete**, then press the **ENTER** button.
   - ➣ The **Delete this file?** message appear.
   - ➣ When a read-only file is deleted, the **Read-only file(s). Delete the file(s)?** message appear.
4. Press the ◄ or ►button to select **OK**, then press the **ENTER** button.
   - ➣ The movie is deleted.
   - ➣ If you select **Cancel**, the deletion is cancelled.
5. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.
   - ➣ While deleting files, don't remove the USB memory device.
   - ➣ You cannot recover a deleted Movie file.


Movie
ABC.avi
Play Current Group
Delete
Information
Safe Remove
Preference
Title
Timeline
SYMBOL
ENG
SUM
Device
Favorites Setting
Select
Jump
Option

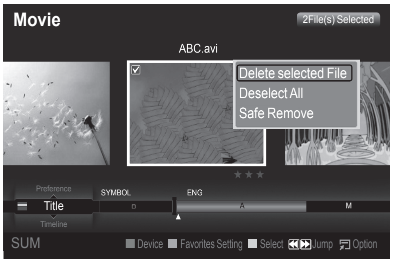

Delete

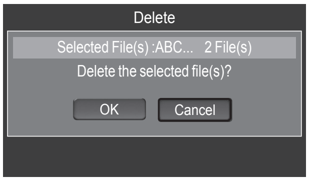
Selected File(s) :ABC... 1 File(s)

Delete this file?

Deleting Multiple Movie files

1. Press the ◄ or ► button to select the desired movie in the movie list. Then press the yellow button.
   - ➣ Repeat the above operation to select multiple movie files.
   - ➣ The ✓ mark appears on the top of the left of the selected movie files.
2. Press the TOOLS button.
3. Press the ▲ or ▼ button to select **Delete selected File**, then press the **ENTER** button.
   - ➣ The **Delete the selected files?** message appear.
4. Press the ◄ or ► button to select **OK**, then press the **ENTER** button.
   - ➣ The selected movie files are deleted.
   - ➣ If you select **Cancel**, the deletion is cancelled.
5. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.
   - ➣ You cannot remove read-only files.
   - ➣ You cannot restore the deleted Movie files.


Movie
2File(s) Selected
ABC.avi
Delete selected File
Deselect All
Safe Remove
Preference
Title
Timeline
SYMBOL
ENG
SUM
Device
Favorites Setting
Select
Jump
Option


Delete

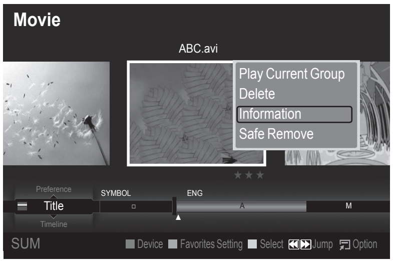
Selected File(s) :ABC... 2 File(s)

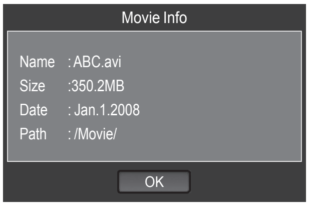
Delete the selected file(s)?

Viewing the Movie Information

The movie file information including the order of the file in the current directory, the name, the size, the date modified and the path is displayed.

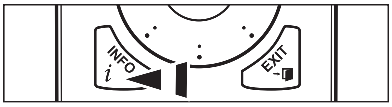
1. Press the ◄ or ► button to select the desired movie in the movie list.
2. Press the TOOLS button.
3. Press the ▲ or ▼ button to select **Information**, then press the **ENTER** button.
   - ➣ The information on the selected movie appears.


Movie
ABC.avi
Play Current Group
Delete
Information
Safe Remove
Preference
Title
Timeline
SYMBOL
ENG
SUM
Device
Favorites Setting
Select
Jump
Option


Movie Info

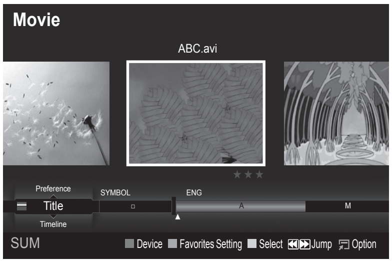
Name : ABC.avi
Size :350.2MB
Date : Jan.1.2008
Path : /Movie/

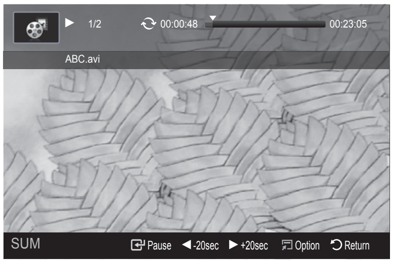
Press the **INFO** button to viewing the information.



Playing a Movie File

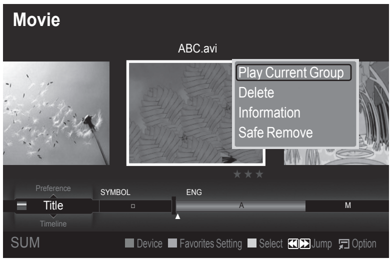
Playing a movie file


Movie
ABC.avi
Preference
Title
Timeline
SYMBOL
ENG
A
M
SUM
Device
Favorites Setting
Select
Jump
Option


1/2
00:00:48
00:23:05
ABC.avi
SUM
Pause
-20sec
+20sec
Option
Return

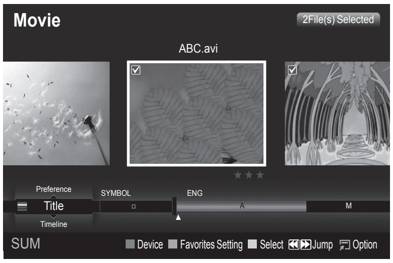
1. Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.
2. Press the ◄ or ► button to select **Movie**, then press the **ENTER** button.
3. Pressing the ◄ or ► button to select a movie to be played, then press the **ENTER** button.
   - ➣ The selected file is played.
   - ➣ Press the ▶ (Play) / **ENTER** button over a movie icon to play the movie.
   - ➣ Press the II (Pause) / **ENTER** button while playing a movie file to pause the file. Press the ■ (Stop) button to exit Play mode.
   - ➣ The selected file is displayed at the top with its playing time.
   - ➣ The playing duration of a movie file may be displayed as ‘00:00:00’ if its playing time information is not found at the start of the file.
   - ➣ Press the ◄ button while playing a video file to rewind by 20 seconds
   - ➣ Press the ► button to fast forward by 20 seconds.
4. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

Playing the movie group


Movie
ABC.avi
Play Current Group
Delete
Information
Safe Remove
Preference
Title
Timeline
SYMBOL
ENG
A
M
SUM
Device
Favorites Setting
Select
Jump
Option

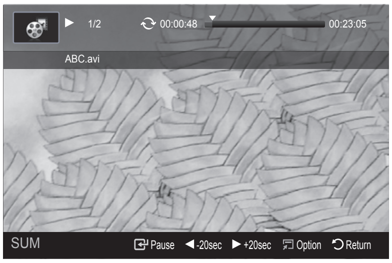
1. Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.
2. Press the ◄ or ► button to select **Movie**, then press the **ENTER** button.
3. Press the ◄ or ► button to select the desired movie file.
4. Press the T**OOLS** button.
5. Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER** button.
   - ➣ The movie files in the sorting group including the selected file are played.
6. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

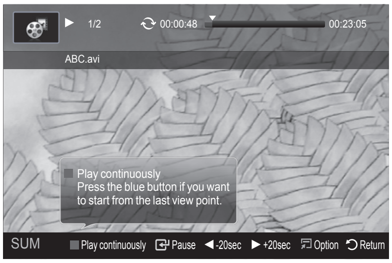
Playing the selected movie files


Movie
2File(s) Selected
ABC.avi
Preference
Title
Timeline
SYMBOL
ENG
SUM
Device
Favorites Setting
Select
Jump
Option

1. Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.
2. Press the ◄ or ► button to select **Movie**, then press the **ENTER** button.
3. Press the ◄ or ► button to select the desired movie file, then press the yellow button. Repeat the above operation to select multiple movie files.
   ➣ The ✓ mark appears to the left of the selected movie file.
4. Press the ▶ (Play) / **ENTER** button.
   ➣ Only the selected file is played.
   ➣ Press the ■ (Stop) button while playing to stop the current item and to return to the movie list.
5. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

Playing movie continuously


1/2
00:00:48
00:23:05
ABC.avi
SUM
Pause
-20sec
+20sec
Option
Return


1/2
00:00:48
00:23:05
ABC.avi
SUM
Play continuously
Pause
-20sec
+20sec
Option
Return

Play continuously
Press the blue button if you want to start from the last view point.

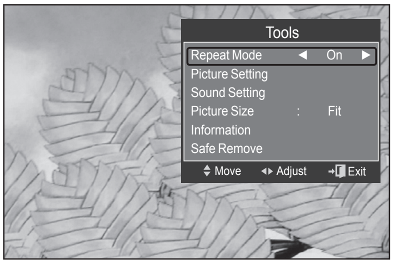
If you exit playing movie, playing it continuously later is possible.
With **Play continuously** function, you can watch movie without watching again from beginning or bothering searching.

1. Select a movie file you want to play continuously by pressing ◄ or ► button in Movie List.
2. Press the ▶ (Play) / **ENTER** button.
3. Select **Play continuously** by pressing the blue button on the remote control.
   The movie will resume playing from the last viewed scene.
   If **Play continuously** function is set to **On**, the message **Press the blue button if you want to start from the last view point.** will appear when you play the movie file you want to play continuously. (Refer to page 94)
4. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

Movie function information icon (Displayed at the top left of the screen)

Icon	Current OSD	Function
🔁	(Movie) Repeat	When all movie files in the folder(or the selected file) are repeated. **Repeat Mode** is **On**.
↻	(Movie) Once	When all movie files in the folder(or the selected file) are played once. **Repeat Mode** is **Off**.
▶ / ⏸	(Movie) Play/Pause	When pressing the ▶ (Play)/ ⏸ (Pause) / **ENTER** button on the remote control while movie is playing.
▶▶ x 2	(Movie) x2 Play	When pressing the ▶▶ (FF) button on the remote control while movie is playing.

Repeating Movie Play


Tools
Move
Adjust
Exit

Repeat Mode ◄ On ►
Picture Setting
Sound Setting
Picture Size : Fit
Information
Safe Remove

1. While a Movie file is playing, press the **TOOLS** button.
2. Press the ▲ or ▼ button to select **Repeat Mode**.
3. Press the ◄ or ► button to select **On** or **Off**.

- **On**: Plays back all movie files in the folder(or the selected file) repeatedly.
- **Off**: Doesn’t play back repeatedly.

4. To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

Picture Size

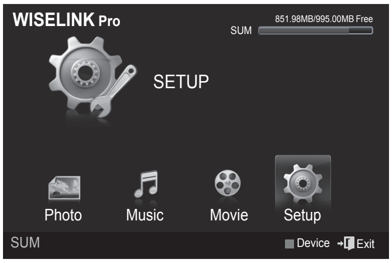
- **Fit**: Play video to fit the TV's screen size.
- **Original**: Play video at the original size.

Using the Setup Menu

Setup displays the user settings of the **WISELINK Pro** menu.

1. Press the **W.LINK** button on the remote control to display the **WISELINK Pro** menu.
2. Press the ◄ or ► button to select **Setup**, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select the desired option. (Slide Show Speed, Music Repeat Mode, Movie Repeat Mode, Play Continuously Screen Saver Run Time, Information, Safe Remove)
4. Press the ◄ or ► button to select the option, then press the **ENTER** button.

   ➣ To exit **WISELINK Pro** mode, press the **W.LINK** button on the remote control.

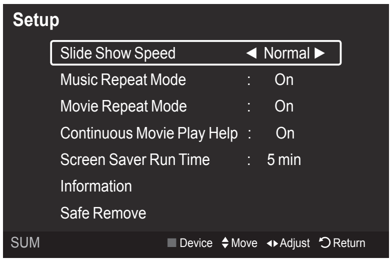

WISELINK Pro
851.98MB/995.00MB Free
SUM
SETUP
Photo
Music
Movie
Setup
SUM
Device
Exit

Slide Show Speed

Select to control the slide show speed.

Press the ▲ or ▼ button to select **Slide Show Speed**.

Press the ◄ or ► button to select **Fast**, **Normal** or **Slow**.


Setup

Slide Show Speed ◄ Normal ►
Music Repeat Mode : On
Movie Repeat Mode : On
Continuous Movie Play Help : On
Screen Saver Run Time : 5 min
Information
Safe Remove

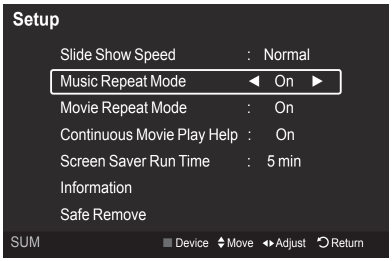
SUM
Device
Move
Adjust
Return

Music Repeat Mode

Select to repeatedly play music files.

Press the ▲ or ▼ button to select **Music Repeat Mode**.

Press the ◄ or ► button to select **On** or **Off**.


Setup

Slide Show Speed : Normal
Music Repeat Mode ◄ On ►
Movie Repeat Mode : On
Continuous Movie Play Help : On
Screen Saver Run Time : 5 min
Information
Safe Remove

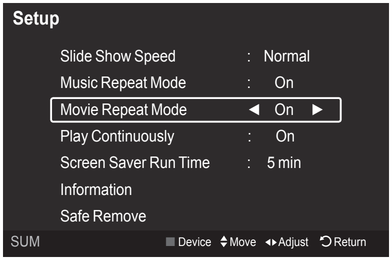
SUM
Device
Move
Adjust
Return

Movie Repeat Mode

Select to repeatedly play movie files.

Press the ▲ or ▼ button to select **Movie Repeat Mode**.

Press the ◄ or ► button to select **On** or **Off**.


Setup

Slide Show Speed : Normal
Music Repeat Mode : On
Movie Repeat Mode ◄ On ►
Play Continuously : On
Screen Saver Run Time : 5 min
Information
Safe Remove

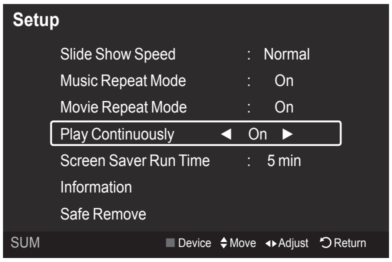
SUM
Device
Move
Adjust
Return

Play Continuously

Select whether you want to watch a movie continuously.

Press the ▲ or ▼ button to select **Play Continuously.**

Press the ◄ or ► button to select **On** or **Off**.


Setup

Slide Show Speed : Normal
Music Repeat Mode : On
Movie Repeat Mode : On
Play Continuously ◄ On ►
Screen Saver Run Time : 5 min
Information
Safe Remove

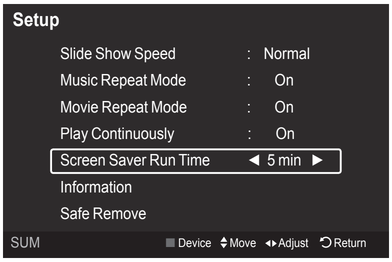
SUM
Device
Move
Adjust
Return

Screen Saver Run Time

Select to set the waiting time before the screen saver appears.

Press the ▲ or ▼ button to select **Screen Saver Run Time**.

Press the ◄ or ► button to select **1 min**, **3 min** or **5 min**.


Setup

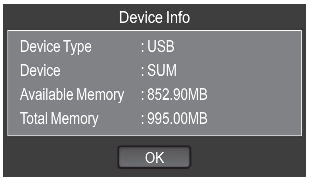
Slide Show Speed : Normal
Music Repeat Mode : On
Movie Repeat Mode : On
Play Continuously : On
Screen Saver Run Time ◄ 5 min ►
Information
Safe Remove

SUM
Device
Move
Adjust
Return

Information

Select to viewing the information of the connected device.

Press the ▲ or ▼ button to select **Information**, then press the **ENTER** button.


Device Info

Device Type : USB
Device : SUM
Available Memory : 852.90MB
Total Memory : 995.00MB

OK

Safe Remove

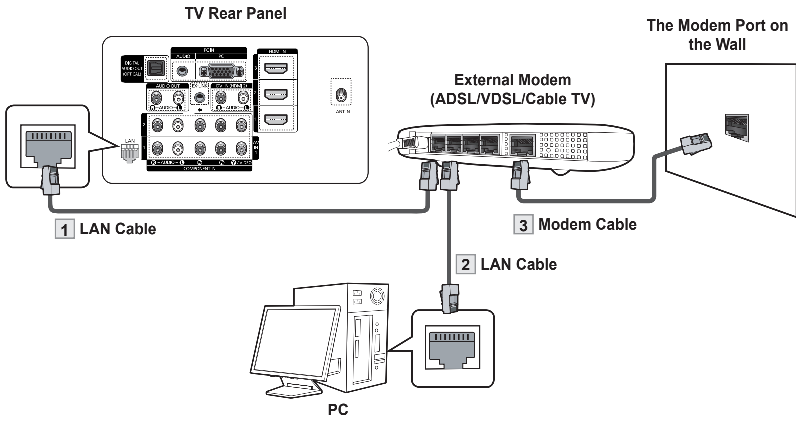
You can remove the device safely from the TV. (Refer to page 80)

WISELINK Pro-DLNA

Setting the DLNA Network

DLNA allows you to watch videos and pictures saved on your PC on your TV through a network connection in Wiselink Pro mode. This removes the need to copy them to a USB storage device and then connect the device to your TV. To use DLNA, the TV must be connected to the network and the DLNA application must be installed on your PC.

Network Connections Diagram


TV Rear Panel
The Modem Port on the Wall
External Modem (ADSL/VDSL/Cable TV)
1 LAN Cable
3 Modem Cable
2 LAN Cable
PC

1 Connect the [LAN] port on the rear panel of the TV to the external modem with a LAN Cable.

2 Connect the PC to which the **DLNA PC Share Manager** program will be installed and the external modem using a LAN cable.

3 Connect the LAN port on the wall and the external modem with a Modem Cable.

Connecting to the Network

1 When connecting to the network is complete, set up the network on the TV (see page 110).

   ➣ A Wireless Internet connection does not support DLNA.

   ➣ The first 3 digits (subnet address) of the IP addresses of the TV and the PC must be the same (e.g. IP Address: 123.456.789.XX)

2 Run a **Network Test** to check the network settings (see page 113).

Installing the DLNA Application

To play content on the PC on the TV, you have to first install the application.

System Requirements

1 Insert the Program CD supplied with this TV into your PC.

2 20MB of free hard disk space is needed for the program installation.

  ➢ If you share files, up to 20MB of hard disk drive space is required for each 100 files.

  ➢ If you cancel file sharing, the hard disk drive space used for the thumbnail information is also freed.

Supported Formats

1 Image : JPEG (jpg, jpeg)

2 Audio : MP3 (mp3)

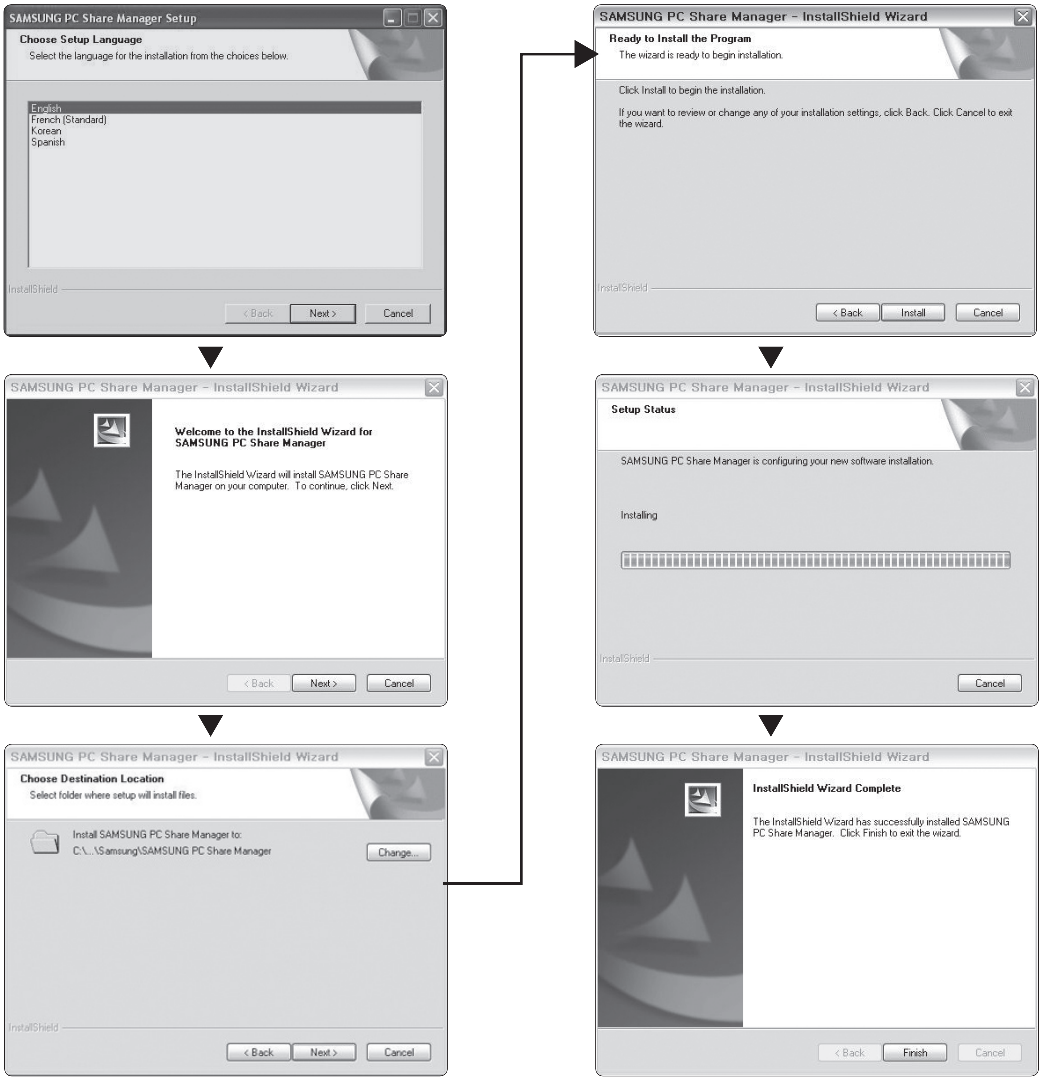
3 Video : MPEG1(mpg, mpeg), MPEG2 PS/TS(mpg, mpeg, trp, ts, tp), divx(mpg, mpeg, avi), MPEG4 / H.264 (mpg, mpeg)

Install the application

1 Run the Setup.exe file on the Program CD supplied with the product.

  ➢ Alternatively, you can download the file from www.samsung.com.

2 Install the SAMSUNG PC Share Manager as shown in the figures below.


SAMSUNG PC Share Manager Setup
< Back
Next >
Cancel
SAMSUNG PC Share Manager - InstallShield Wizard
< Back
Next >
Cancel
SAMSUNG PC Share Manager - InstallShield Wizard
Change...
< Back
Next >
Cancel
SAMSUNG PC Share Manager - InstallShield Wizard
< Back
Install
Cancel
SAMSUNG PC Share Manager - InstallShield Wizard
Cancel
SAMSUNG PC Share Manager - InstallShield Wizard
< Back
Finish
Cancel
InstallShield

Choose Setup Language

Select the language for the installation from the choices below.

English
French (Standard)
Korean
Spanish

Welcome to the InstallShield Wizard for SAMSUNG PC Share Manager

The InstallShield Wizard will install SAMSUNG PC Share Manager on your computer. To continue, click Next.

Choose Destination Location

Select folder where setup will install files.

Install SAMSUNG PC Share Manager to:
C:\...\Samsung\SAMSUNG PC Share Manager

Ready to Install the Program

The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

Setup Status

SAMSUNG PC Share Manager is configuring your new software installation.

Installing

InstallShield Wizard Complete

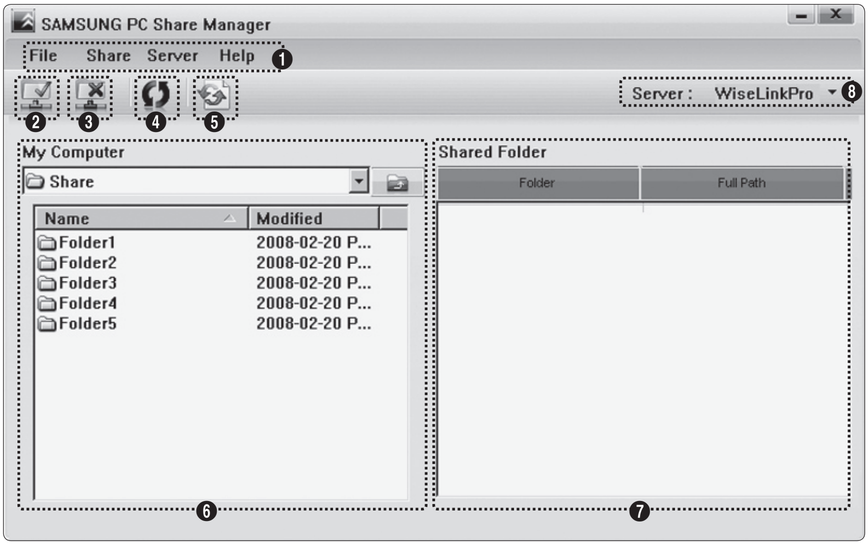
The InstallShield Wizard has successfully installed SAMSUNG PC Share Manager. Click Finish to exit the wizard.

3 When the installation is complete, the PC Share Manager icon appears on your Desktop.

  ➢ Double-click the icon to run the program.

Using the DLNA Application

The Program Screen Layout


SAMSUNG PC Share Manager
File
Share
Server
Help
1
2
3
4
5
Server : WiseLinkPro
8
My Computer
Share
Shared Folder
Folder
Full Path
6
7

Name	Modified
Folder1	2008-02-20 P...
Folder2	2008-02-20 P...
Folder3	2008-02-20 P...
Folder4	2008-02-20 P...
Folder5	2008-02-20 P...

1 Menus: The following application menus are provided : **File**, **Share**, **Server**, and **Help**.

2 Click to share the selected PC server folder (see page 99)

3 Click to cancel sharing (see page 99)

4 Click to refresh the PC folder and files.

5 Click to synchronize the share status (see page 100)

6 The folders and files of the PC to be shared are listed.

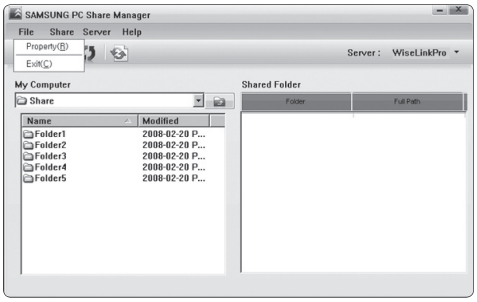
7 Folders shared by the user are listed.

8 PC server name shown on the device list of the Wiselink: Click to change the name.

File

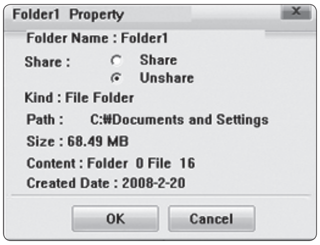
Property: Shows information on the selected file or folder.

Method 1: Select a file or folder and select the **File** menu and then select the **Property** sub-menu.


SAMSUNG PC Share Manager
File
Share
Server
Help
Property(R)
Exit(C)
Server :
WiseLinkPro
My Computer
Share
Shared Folder
Folder
Full Path

Name	Modified
Folder1	2008-02-20 P...
Folder2	2008-02-20 P...
Folder3	2008-02-20 P...
Folder4	2008-02-20 P...
Folder5	2008-02-20 P...

Method 2: Select a file or folder, right-click over the selected file or folder and then select **Property** from the pop-up menu.


Folder1 Property
OK
Cancel

Folder Name : Folder1

Share : ○ Share ● Unshare

Kind : File Folder

Path : C:₩Documents and Settings

Size : 68.49 MB

Content : Folder 0 File 16

Created Date : 2008-2-20

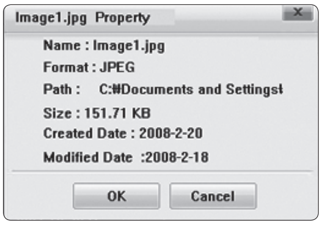


Image1.jpg Property
OK
Cancel

Name : Image1.jpg

Format : JPEG

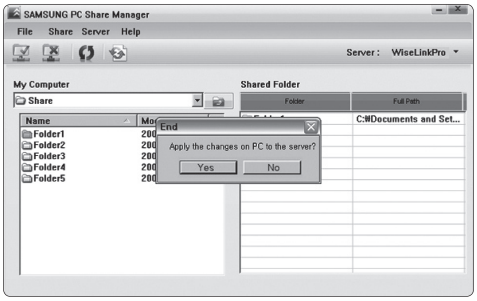
Path : C:₩Documents and Settings₩

Size : 151.71 KB

Created Date : 2008-2-20

Modified Date :2008-2-18

Exit: Exits the DLNA application.
If you select **Exit** without applying the changes after changing the shared status, a message will appear asking if you want to apply the changed settings to the PC. Select **Yes** to apply the changes and exit the application.


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
WiseLinkPro
My Computer
Share
Name
Folder1
Folder2
Folder3
Folder4
Folder5
Shared Folder
Folder
Full Path
C:₩Documents and Set...
End
Yes
No

Apply the changes on PC to the server?

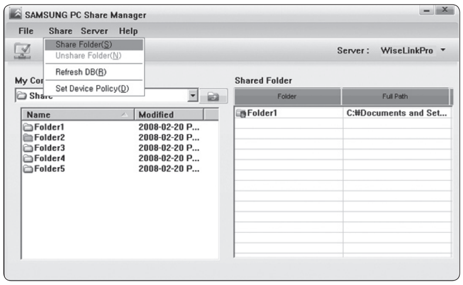
Share

Sharing a Folder

You can share a folder from your PC to the TV. The maximum number of folders that can be shared is 32.

➢Your PC will operate as a server to the TV.

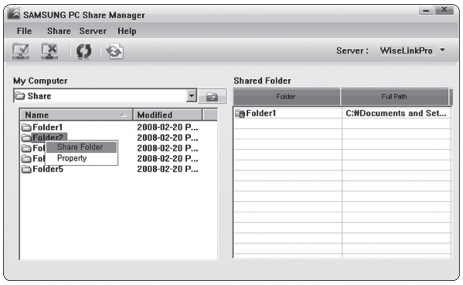
Method 1: Select a folder in **My Computer**, select the **Share** menu and then select the **Share Folder** sub-menu.


SAMSUNG PC Share Manager
File
Share
Server
Help
Share Folder(S)
Unshare Folder(N)
Refresh DB(R)
Set Device Policy(D)
Server :
WiseLinkPro
My Co
Shared Folder
Folder
Full Path

Name	Modified
Folder1	2008-02-20 P...
Folder2	2008-02-20 P...
Folder3	2008-02-20 P...
Folder4	2008-02-20 P...
Folder5	2008-02-20 P...

Folder	Full Path
Folder1	C:₩Documents and Set...

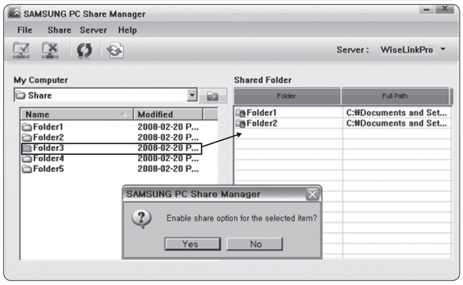
Method 2: Select a folder in **My Computer**, right-click over the selected folder and then select **Share Folder** from the pop-up menu.


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
WiseLinkPro
My Computer
Share
Shared Folder
Share Folder
Property

Name	Modified
Folder1	2008-02-20 P...
Folder2	2008-02-20 P...
Fol	2008-02-20 P...
Fol	2008-02-20 P...
Folder5	2008-02-20 P...

Folder	Full Path
Folder1	C:₩Documents and Set...

Method 3: Locate the mouse pointer over a folder in the **My Computer** folder list in the left pane and drag&drop the folder into the Shared Folders pane. If a message appears asking you to confirm the shared folder, select **Yes**.


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
WiseLinkPro
My Computer
Share
Shared Folder
Yes
No

Name	Modified
Folder1	2008-02-20 P...
Folder2	2008-02-20 P...
Folder3	2008-02-20 P...
Folder4	2008-02-20 P...
Folder5	2008-02-20 P...

Folder	Full Path
Folder1	C:₩Documents and Set...
Folder2	C:₩Documents and Set...

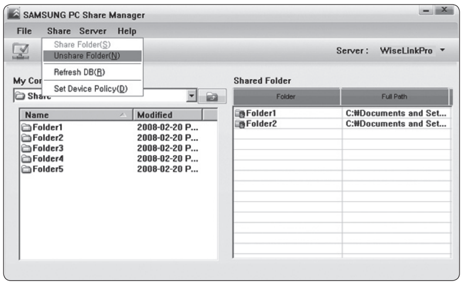
SAMSUNG PC Share Manager

Enable share option for the selected item?

Cancelling a Shared Folder

You can cancel a shared folder on your PC.. Select a folder from the **Shared Folder** pane and select **Unshare Folder**.

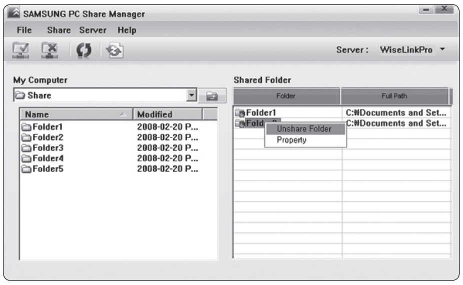
Method 1: Select a folder from the **Shared Folder** pane, select the **Share** menu and then select **Unshare Folder**.


SAMSUNG PC Share Manager
File
Share
Server
Help
Share Folder(S)
Unshare Folder(N)
Refresh DB(R)
Set Device Policy(D)
Server :
WiseLinkPro
My Co
Shared Folder
Folder
Full Path

Name	Modified
Folder1	2008-02-20 P...
Folder2	2008-02-20 P...
Folder3	2008-02-20 P...
Folder4	2008-02-20 P...
Folder5	2008-02-20 P...

Folder	Full Path
Folder1	C:₩Documents and Set...
Folder2	C:₩Documents and Set...

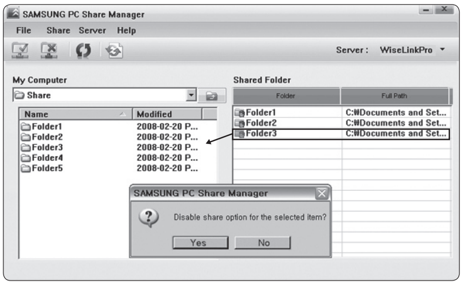
Method 2: Select a folder from the **Shared Folder** pane, right-click over the selected folder and then select **Unshare Folder** from the pop-up menu.


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
WiseLinkPro
My Computer
Share
Shared Folder
Unshare Folder
Property

Name	Modified
Folder1	2008-02-20 P...
Folder2	2008-02-20 P...
Folder3	2008-02-20 P...
Folder4	2008-02-20 P...
Folder5	2008-02-20 P...

Folder	Full Path
Folder1	C:₩Documents and Set...
Fold	C:₩Documents and Set...

Method 3: Locate the mouse pointer over a folder in the **Shared Folder** pane and drag&drop the folder into the **My Computer** pane. If a message appears asking you to confirm the cancelation, select **Yes**.


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
WiseLinkPro
My Computer
Share
Shared Folder
Yes
No

Name	Modified
Folder1	2008-02-20 P...
Folder2	2008-02-20 P...
Folder3	2008-02-20 P...
Folder4	2008-02-20 P...
Folder5	2008-02-20 P...

Folder	Full Path
Folder1	C:₩Documents and Set...
Folder2	C:₩Documents and Set...
Folder3	C:₩Documents and Set...

SAMSUNG PC Share Manager

Disable share option for the selected item?

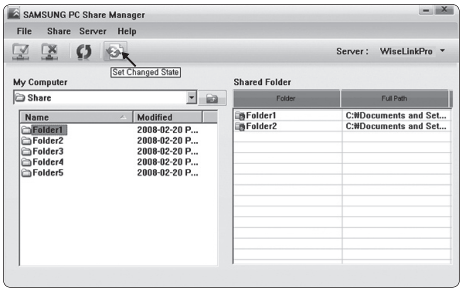
Applying the Current Settings

Perform this when synchronization is necessary due to a new shared folder or canceling a shared folder. The **Set Changed State** menu applies changes to shared folders to the data saved with the PC share program.

Since applying changes to the internal data is a time-consuming process, this function enables users to apply changes to the data only when required.

Until the **Set Changed State** menu is selected, the changed state of the shared folder is not applied to the server.

Changes to the shared folders are not applied to your PC until you select the **Set Changed State** menu.

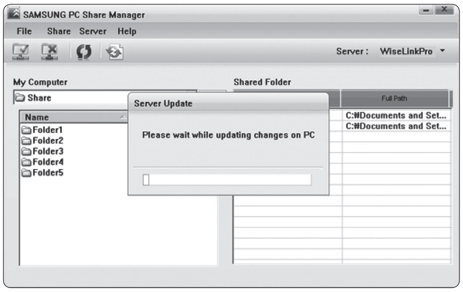

SAMSUNG PC Share Manager
File
Share
Server
Help
Set Changed State
Server :
WiseLinkPro
My Computer
Share
Shared Folder

Name	Modified
Folder1	2008-02-20 P...
Folder2	2008-02-20 P...
Folder3	2008-02-20 P...
Folder4	2008-02-20 P...
Folder5	2008-02-20 P...

Folder	Full Path
Folder1	C:₩Documents and Set...
Folder2	C:₩Documents and Set...

Method 1: Select the **Share** menu and select the **Refresh DB** sub-menu.

Method 2: Click the **Set Changed State** icon.


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
WiseLinkPro
My Computer
Share
Shared Folder
Name
Folder1
Folder2
Folder3
Folder4
Folder5
Full Path
C:₩Documents and Set...
C:₩Documents and Set...
Server Update

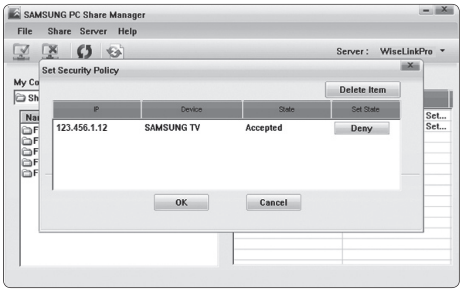
Please wait while updating changes on PC

Setting the Access Permission

To enable the TV to find your PC, the TV must be set to **Set Device Policy** in the Access Permission Settings window.
In addition, the PC server and the TV must be on the same subnet.

Method: Select the **Share** menu and select **Set Device Policy**.

- ➢ Rejected items are represented in gray.
- ➢ You can change the access permissions by using the Allow **Accept** / **Deny** button.
- ➢ To delete an item, select the item and select **Delete Item**.

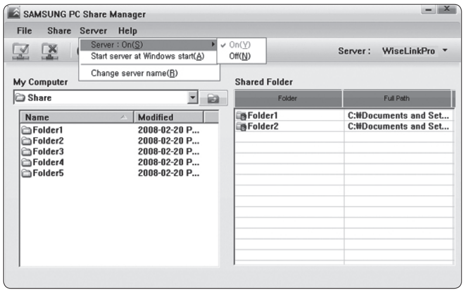

SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
WiseLinkPro
Set Security Policy
Delete Item
OK
Cancel

IP	Device	State	Set State
123.456.1.12	SAMSUNG TV	Accepted	Deny

Server

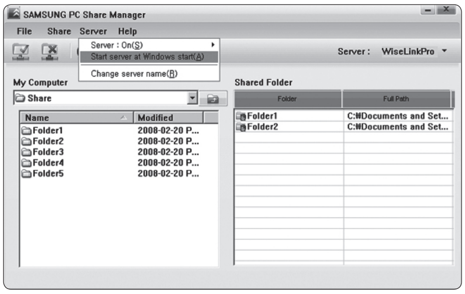
Server

You can run or stop using your PC as a server.


SAMSUNG PC Share Manager
File
Share
Server
Help
Server : On(S)
Start server at Windows start(A)
Change server name(R)
On(Y)
Off(N)
Server :
WiseLinkPro
My Computer
Share
Name
Modified
Folder1
Folder2
Folder3
Folder4
Folder5
2008-02-20 P...
Shared Folder
Folder
Full Path
C:₩Documents and Set...

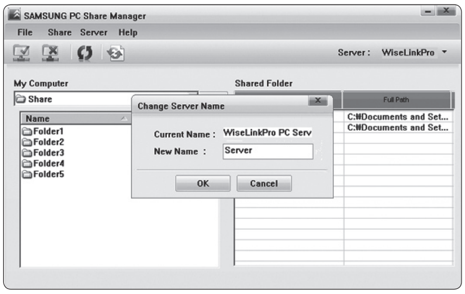
Start Server at Windows start

You can determine whether to start the PC server automatically when Windows starts.


SAMSUNG PC Share Manager
File
Share
Server
Help
Server : On(S)
Start server at Windows start(A)
Change server name(R)
Server :
WiseLinkPro
My Computer
Share
Name
Modified
Folder1
Folder2
Folder3
Folder4
Folder5
2008-02-20 P...
Shared Folder
Folder
Full Path
C:₩Documents and Set...

Change server name

You can rename the PC server. Enter a new name and click **OK**. The new name will appear at the top right of the window and will appear on the TV.


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
WiseLinkPro
My Computer
Share
Name
Folder1
Folder2
Folder3
Folder4
Folder5
Shared Folder
Full Path
C:₩Documents and Set...
Change Server Name
OK
Cancel

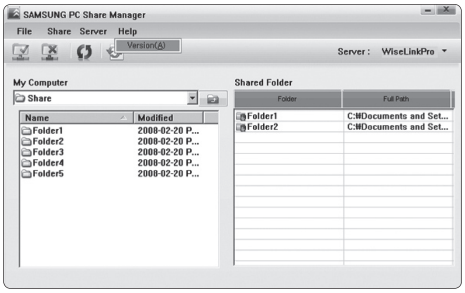
Current Name : WiseLinkPro PC Serv

New Name : Server

Help

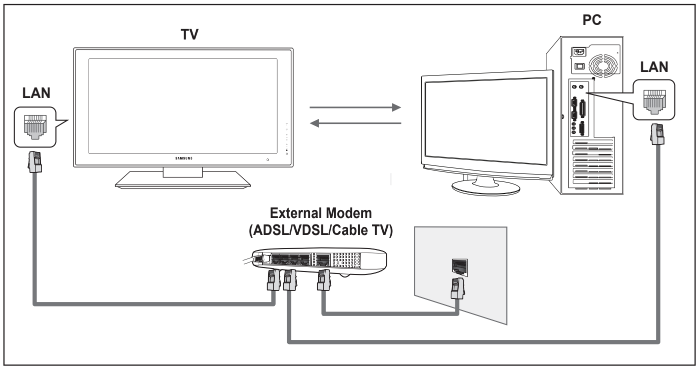
Version

The program version information message box appears.


SAMSUNG PC Share Manager
File
Share
Server
Help
Version(A)
Server :
WiseLinkPro
My Computer
Share
Name
Modified
Folder1
Folder2
Folder3
Folder4
Folder5
2008-02-20 P...
Shared Folder
Folder
Full Path
C:₩Documents and Set...

Using the DLNA Function

Using the DLNA Menu


TV
PC
LAN
LAN
External Modem
(ADSL/VDSL/Cable TV)

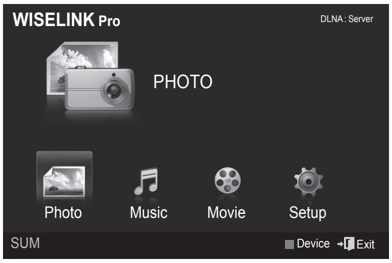
DLNA (Digital Living Network Alliance) enables content saved on a DLNA server (usually your PC) connected to your TV or over a network to be played.

Wiselink Pro enables playing content saved on a USB memory device connected to the TV, while DLNA enables playing content saved on a DLNA server (your PC) connected to your TV or over the network.
The procedures to use the content are the same as those for WISELINK Pro.

➢If you install the PC share manager program supplied with the TV onto a PC, you can have the PC perform the role of a DLNA server over the network.

1 Press the **W.LINK** button on the remote control to display the **DLNA** menu.

2 Press the ◄ or ►button to select an icon (Photo, Music, Movie, Setup), then press the **ENTER** button.
   ➢ To exit **DLNA** mode, press the **W.LINK** button on the remote control.


WISELINK Pro
DLNA : Server
PHOTO
Photo
Music
Movie
Setup
SUM
Device
Exit

Photo

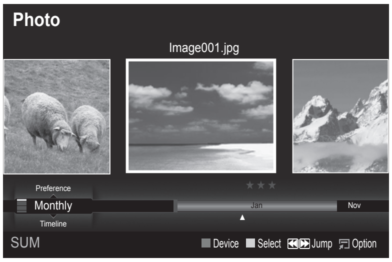
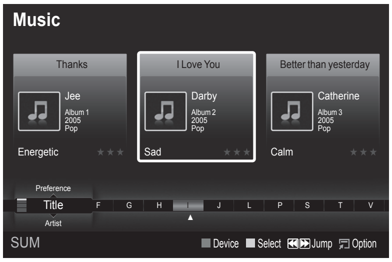


Photo
Image001.jpg
Preference
Monthly
Timeline
Jan
Nov
SUM
Device
Select
Jump
Option

♦ Photo List
- Sorting Photo List: Refer to page 73
- Viewing the Information: Refer to page 76
- Rotating the Photo file: Refer to page 75
- Viewing a Slide Show: Refer to page 77

♦ During a Slide Show
- Play & Pause: Refer to page 77
- Slide Show Speed: Refer to page 79
- Zoom: Refer to page 79
- Rotate: Refer to page 78

Music

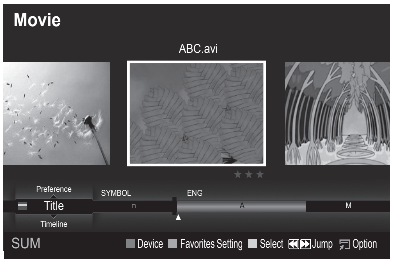

Music
Thanks
Jee
Album 1
2005
Pop
Energetic
I Love You
Darby
Album 2
2005
Pop
Sad
Better than yesterday
Catherine
Album 3
2005
Pop
Calm
Preference
Title
Artist
F
G
H
I
J
L
P
S
T
V
SUM
Device
Select
Jump
Option

♦ Music List
- Sorting Music List: Refer to page 82
- Viewing the Information: Refer to page 85
- Playing a music file: Refer to page 86

♦ While Playing a Music File
- Play & Pause: Refer to page 87
- Repeat Mode: Refer to page 87

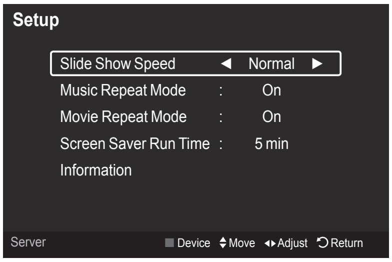
Movie

- ♦ Movie List
  - – Sorting Movie List: Refer to page 89
  - – Viewing the Information: Refer to page 91
  - – Playing a Movie file: Refer to page 92
- ♦ While Playing a Movie File
  - – Play & Pause: Refer to page 93
  - – Repeat Mode: Refer to page 93


Movie
ABC.avi
Preference
Title
Timeline
SYMBOL
ENG
A
M
SUM
Device
Favorites Setting
Select
Jump
Option

Setup

- – Slide Show Speed: Refer to page 94
- – Music Repeat Mode: Refer to page 94
- – Movie Repeat Mode: Refer to page 94
- – Screen Saver Run Time: Refer to page 94
- – Information: Refer to page 94
- – Safe Remove: Refer to page 94


Setup

Slide Show Speed ◀ Normal ▶
Music Repeat Mode : On
Movie Repeat Mode : On
Screen Saver Run Time : 5 min
Information

Server
Device
Move
Adjust
Return

➣ DLNA does not support the following functions.
- – The Background Music and Background Music Setting functions.
- – Sorting files by preference in the Photo, Music, and Movie folders.
- – The Change Group Info function.
- – The Delete function.
- – The Safe Remove function.
- – The REW/FF (◀◀ / ▶▶) key functions while a movie is playing.

➣ The Skip (◀/▶ keys) or Pause function may not work while a movie is playing for the DLNA of other manufacturers, depending on the corresponding content information.

➣ The playing time may not be displayed while a movie is playing.

Content Library

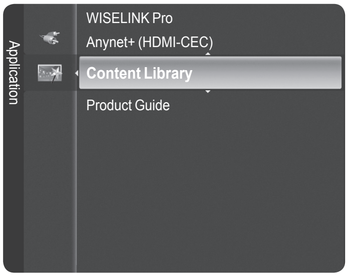
Using the Content Library

The **Content Library** enables you to view or play the built-in contents on the TV or stored on your USB device.
➣ The Delete, Move and Update functions will not work with the built-in content on the TV.

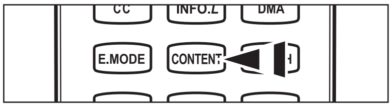
Using the Content Library Menu

1 Press the **MENU** button. Press the ▲ or ▼ button to select **Application**, then press the **ENTER** button.

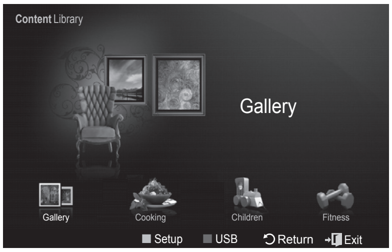
2 Press the ▲ or ▼ button to select **Content Library**, then press the **ENTER** button.
➣ The **Content Library** main menu is displayed.


Application
WISELINK Pro
Anynet+ (HDMI-CEC)
Content Library
Product Guide

Press the **CONTENT** button on the remote control to display the **Content Library** menu.


CC
INFO.L
DMA
E.MODE
CONTENT

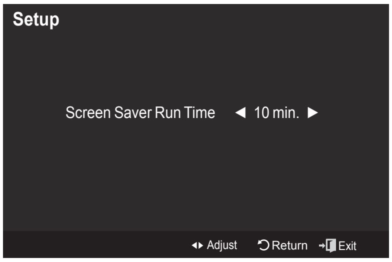
3 Press the ◄ or ► button to select an icon (Gallery, Cooking, Children, Fitness), then press the **ENTER** button.
➣ To return to TV mode, press the **CH** ∨/∧ button on the remote control.
➣ If you press the Volume or **MUTE** button, no OSD is displayed, but the function operates accordingly.
➣ The Screen Saver is activated if there is no remote control key input for longer than 10 minutes.


Content Library
Gallery
Gallery
Cooking
Children
Fitness
■ Setup
■ USB
Return
Exit

Screen Saver Run Time

1 Press the Yellow button on the remote control.

2 Press the ◄ or ► button to select 10 min., 20 min., or 1 hour.


Setup

Screen Saver Run Time ◄ 10 min. ►
Adjust
Return
Exit

Using the Remote Control Button in Content Library Menu

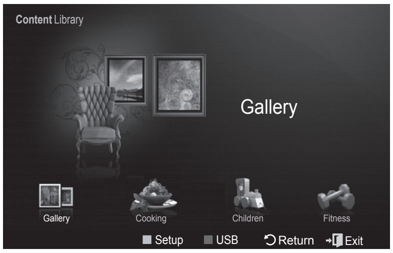
Button	Operations
(Wheel)	Move the cursor and select an item.
(ENTER)	Select the currently selected item.
RETURN	Return to the previous menu.
EXIT	Stop the current function and return to the **Content Library** main menu.
CH ⌃/⌄ FAV.CH PRE-CH CH LIST	Stop Content Library mode and Returns to TV mode.
■ ■ □ ■ (Color)	Keys that provide functions are described on the corresponding page.
VOL +/−	You can control the volume of the played content.
CONTENT	Exit Content Library mode.

Using the TV Memory Contents

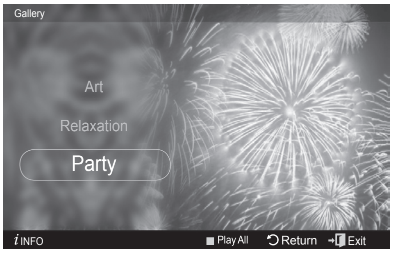
The built-in contents of the **Content Library** are composed of the following sub-categories: **Gallery**, **Cooking**, **Children**, and **Fitness**.

Gallery

This function plays a SlideShow with high resolution images and background music and produces various atmospheres.
Using the Gallery function of the TV, you can change your home atmosphere.



1 Press the ◄ or ► button to select **Gallery** in the **Content Library** main menu.
Then press the **ENTER** button.



2 Press the ▲ or ▼ button to select **Art**, **Relaxation** or **Party**, then press the **ENTER** button.
  ➣ The selected slide show is played.
  ➣ There is default music for each of the **Art**, **Relaxation**, and **Party** options.

3 Press INFO button to see the credit (such as the artist's name) and detail information for the imagery. Press INFO button again or press ► button for the credit information to go away.

4 Press **Play All** button to playback all 45 imageries.
  ➣ To return to **Content Library** main menu, press the **EXIT** button.
  ➣ To exit **Content Library** mode, press the **CH** ⌄/⌃ button on the remote control.

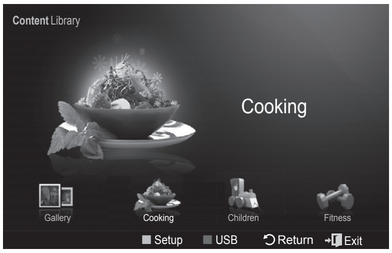
- **Art**: You can view masterpieces of the impressionists including Van Gogh, Monet, Degas, Cezanne, and so on.
- **Relaxation**: You can view beautiful and serene images of nature.
- **Party**: You can view images that can produce a cheerful and exciting atmosphere.

➣ The copyrights of the **Gallery** contents and all issues related to them are reserved by Gallery Player, Inc.

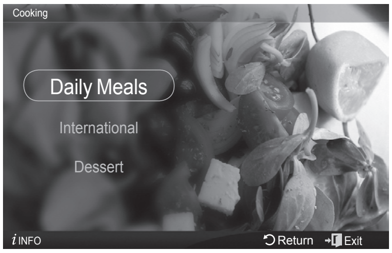
➣ For additional **Gallery** contents, check for information through www.samsung.com. Please refer to the **Using Additional Content Using External USB Memory Storage** section (page 109) to see how to play additional imagery.

Cooking

You can view various recipes that you can then easily follow step by step. Enjoy these contents which give you great ideas for meals.


Content Library
Cooking
Gallery
Cooking
Children
Fitness
Setup
USB
Return
Exit

1 Press the ◄ or ► button to select **Cooking** in the **Content Library** main menu.
Then press the **ENTER** button.

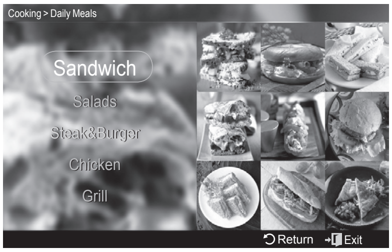

Cooking
Daily Meals
International
Dessert
INFO
Return
Exit

2 Press the ▲ or ▼ button to select **Daily Meals**, **International** or **Dessert**, then press the **ENTER** button.

- **Daily Meals**: Try special recipes for everyday meals.
- **International**: Try international recipes such as Asian, Italian, Mexican, and Indian recipes.
- **Dessert**: You can view dessert recipes that your family will enjoy.

➣ The recipes introduced in the **Cooking** contents on the Samsung TV are based on recipes published by Anness Publishing.

➣ The copyrights of the **Cooking** contents and all issues related to them are reserved by Practical Pictures.


Cooking > Daily Meals
Sandwich
Salads
Steak&Burger
Chicken
Grill
Return
Exit

3 Press the ▲ or ▼ button to select a particular item.
Press the **ENTER** button.

4 Press the ▲,▼, ◄ or ► button to select a recipe you want to use.
Then press the **ENTER** button.

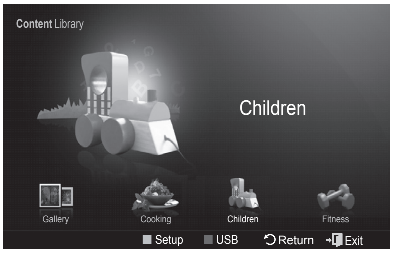
5 Press the ▲,▼, ◄ or ► button to use a recipe.

➣ To return to **Content Library** main menu, press the **EXIT** button.

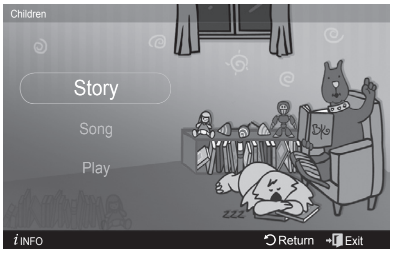
➣ To exit **Content Library** mode, press the **CH** ∨/∧ button on the remote control.

Children

This is educational and interactive content that children can watch repeatedly. Enjoy exciting stories, songs and games with the Boowa and Kwala characters.


Content Library
Children
Gallery
Cooking
Children
Fitness
Setup
USB
Return
Exit

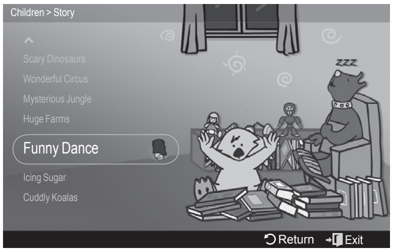
1 Press the ◄ or ► button to select **Children** in the **Content Library** main menu.
Then press the **ENTER** button.


Children
Story
Song
Play
INFO
Return
Exit

2 Press the ▲ or ▼ button to select **Story**, **Song** or **Play**, then press the **ENTER** button.

- **Story**: You can watch storytelling content with the Boowa and Kwala characters.
- **Song**: You can enjoy Sing Along content with the Boowa and Kwala characters.
- **Play**: You can enjoy exciting and fun interactive games using the remote control.

➢ The copyrights of the **Children** contents and issues related to them are reserved by UpToTen.


Children > Story
Scary Dinosaurs
Wonderful Circus
Mysterious Jungle
Huge Farms
Funny Dance
Icing Sugar
Cuddly Koalas
Return
Exit

3 Press the ▲ or ▼ button to select an item to play. Press the **ENTER** button.
The selected content is played.

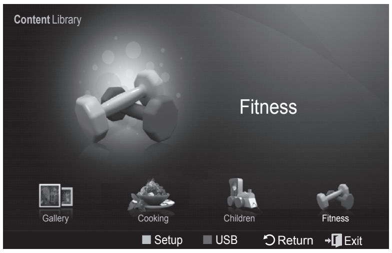
➢ To return to **Content Library** main menu, press the **EXIT** button.

➢ To exit **Content Library** mode, press the **CH** ∨/∧ button on the remote control.

Fitness

This is beneficial health management content that provides stretching and massage exercises that can be enjoyed by the whole family.

1 Press the ◄ or ► button to select **Fitness** in the **Content Library** main menu.
Then press the **ENTER** button.

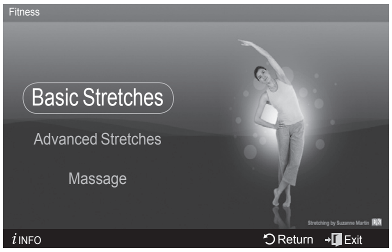

Content Library
Fitness
Gallery
Cooking
Children
Fitness
■ Setup
■ USB
Return
Exit

2 Press the ▲ or ▼ button to select **Basic Stretches**, **Advanced Stretches** or **Massage**, then press the **ENTER** button.

- **Basic Stretches**: Follow the stretching exercises provided by detailed descriptions and slow motion images step by step.
- **Advanced Stretches**: Follow the stretching for particular sport or occasions.
- **Massage**: Manage your health and release your stress through the easy to follow massages.

➢ The **Basic Stretches** contents for the Samsung TV are based on the book Stretching by Suzanne Martin which is published by DK and the **Massage** contents are based on the books published by Anness Publishing.

➢ The copyrights to **Basic Stretches** are reserved by the DK Publishing Company. The copyrights to the **Massage** content are reserved by Practical Pictures. All issues related to copyrights are reserved by the corresponding company.


Fitness
Basic Stretches
Advanced Stretches
Massage
Stretching by Suzanne Martin
INFO
Return
Exit

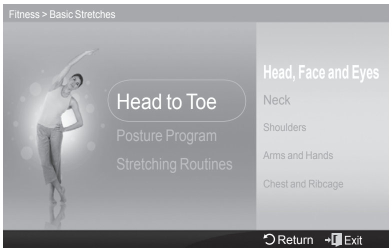
3 Press the ◄, ►, ▲ or ▼ button to select an item to view.
Press the **ENTER** button.

➢ The **Basic Stretches** contents are automatically played so that you can easily follow the movements on the screen. To move to the previous or next operation, press the ◄ or ► button to view the required step.

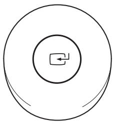
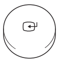
➢ The selected item is displayed on the screen.

➢ To return to **Content Library** main menu, press the **EXIT** button.

➢ To exit **Content Library** mode, press the **CH** ∨/∧ button on the remote control.


Fitness > Basic Stretches
Head to Toe
Posture Program
Stretching Routines
Head, Face and Eyes
Neck
Shoulders
Arms and Hands
Chest and Ribcage
Return
Exit

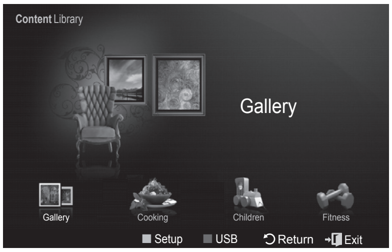
Using the Remote Control Button in Fitness menu

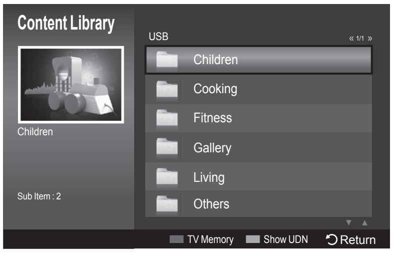
Button	Operations
 (Wheel)	View to previous step / View to next step
 (Enter)	Play or pause (in Basic and Advanced Stretches)

Using Additional Content Using External USB Memory Storage

You can download contents onto a USB memory device and play them on your TV.
(The contents on the external USB device are played directly without being copied to the built-in Flash memory of the TV.)

Playing and Exiting New Content





1 Press the Red button in the **Content Library** main menu.
➣ The USB Browser main screen is displayed.
➣ A list of files saved on the USB device is displayed.

2 Press the ▲ or ▼ button to move to the file (or folder) you want to play. Press the **ENTER** button.
➣ The selected content is played.
➣ The use of contents is the same as in using the TV memory contents.
➣ To return to the USB browser main screen, press the **EXIT** button.
To exit **Content Library** mode, press the **CH ⌄/⌃** button on the remote control.
➣ **Content Library** only supports USB Mass Storage Class devices (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers
(Both USB HDD and HUB are not supported.)

> Take care as removing the USB memory device while saving data to the USB memory device may cause the data to be lost.

Downloading New Contents

New content other than the built-in contents will be provided via the Samsung.com website with or without charge.

♦ **Downloading Content**
1 Visit the www.samsung.com website and open the Content Library page.
2 Enter the product number (UDN, Unique Device Number).
3 Select a content item in the Contents Download page.
4 Download the contents onto the USB memory device.
➣ **Content Library** only supports USB Mass Storage Class devices (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers (Both USB HDD and HUB are not supported.)
5 Go to **Content Library** main menu by pressing **Contents** button or choosing **Content Library** (Menu→Application→**Content Library**)
6 Plug the USB memory into USB port on the side of the TV.

♦ **Finding a product number (Unique Device Number, UDN)**
1 Insert the USB memory into the USB port on the side of the TV.
2 In the USB Browser main screen, press the Green button (Show UDN).
3 The 18-digit number on the screen is the product code.

♦ **Provided Content**
Provided content consists of free of charge content provided by Samsung and charged content provided by 3rd parties.
- Free Content: Additional content for the various categories will be provided.(www.samsung.com)
- Charged Contents: Charged content will be provided through the Gallery category (www.galleryplayer.com).
(For charged contents, the corresponding site has all responsibilities for sales and services. The corresponding site has all responsibilities for sales and services and can be changed due to the circumstances.)

The Remote Control Buttons Used in the USB **Content Library**

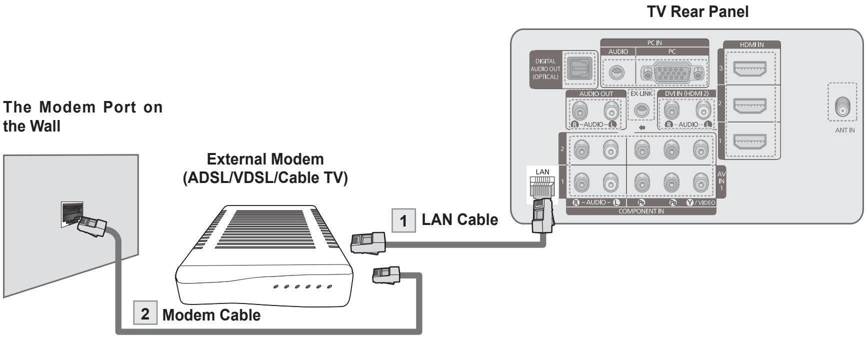
Button	Operations
Red	Return to the main menu of the TV Memory **Content Library**.
Green	Show the product number (unique device number) of the TV used to download content from the website.
EXIT	Stop the current function and return to the **Content Library** main menu.
CH ⌃/⌄ FAV.CH PRE-CH CH LIST	Stop **Content Library** mode and Returns to TV mode.

Network Settings

Network Connection - Cable

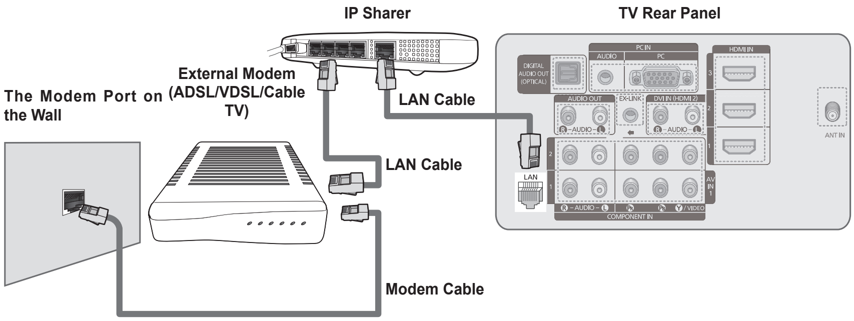
LAN Connection for a DHCP Environment

The procedures to set up the network using Dynamic Host Configuration Protocol (DHCP) are described below. Since an IP address, subnet mask, gateway, and DNS are automatically allocated when DHCP is selected, you do not have to enter them manually.

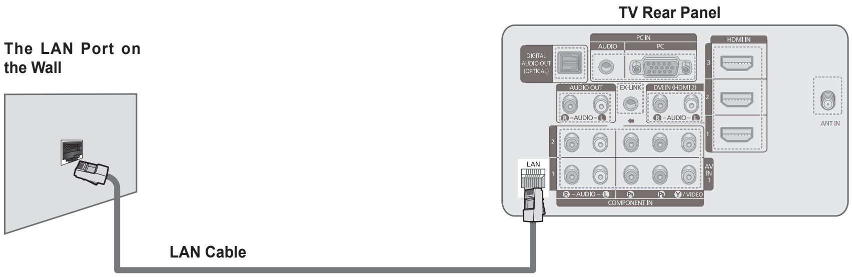

TV Rear Panel
The Modem Port on the Wall
External Modem (ADSL/VDSL/Cable TV)
1 LAN Cable
2 Modem Cable
DIGITAL AUDIO OUT (OPTICAL)
PC IN
AUDIO
PC
HDMI IN
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
ANT IN
LAN
AV IN
COMPONENT IN

1 Connect the [LAN] port on the rear panel of the TV and the external modem with a LAN Cable.
2 Connect the LAN port on the wall and the external modem with a Modem Cable.

You can connect the LAN via a Sharer (Router).


IP Sharer
TV Rear Panel
External Modem (ADSL/VDSL/Cable TV)
The Modem Port on the Wall
LAN Cable
LAN Cable
Modem Cable
LAN
ANT IN
COMPONENT IN

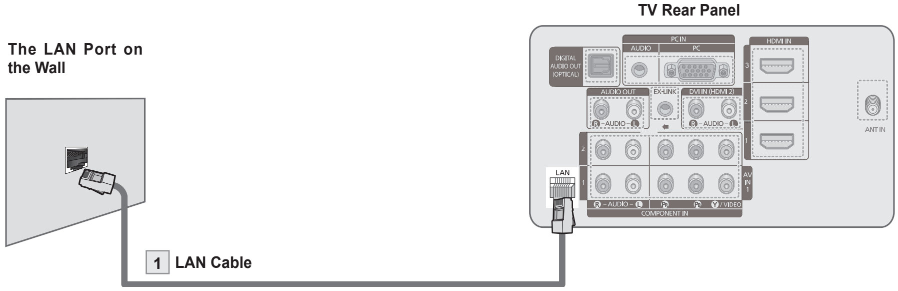
You can connect the LAN port and the TV directly depending on your network status.


TV Rear Panel
The LAN Port on the Wall
LAN Cable
LAN
ANT IN
COMPONENT IN

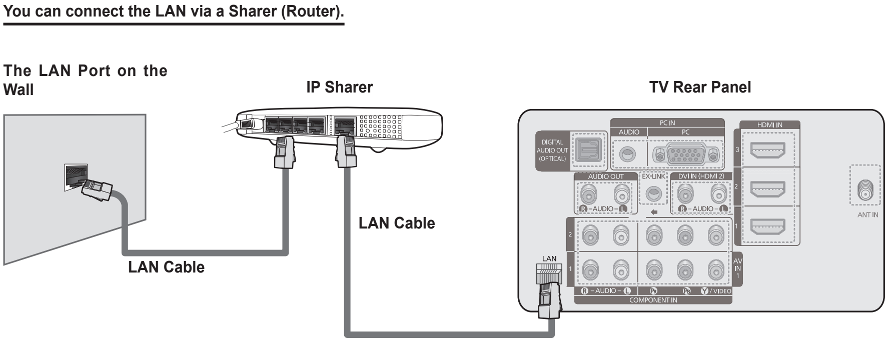
- ➣ The terminals (the position of the port and the type) of the external device may differ depending on the manufacturer.
- ➣ If the IP address allocation by the DHCP server has failed, turn the external modem off, turn it on again after at least 10 seconds and then try again.
- ➣ For the connections between the external modem and the Sharer (Router), refer to the owner’s manual of the corresponding product.
- ➣ You can connect the TV to the LAN directly without connecting it through a Sharer (Router)
- ➣ You cannot use a manual-connection-type ADSL modem because it does not support DHCP. You have to use an automatic-connection-type ADSL modem.

LAN Connection for Static IP Environment

The procedures to set up the network using a static IP address are described below. You have to manually enter the IP address, subnet mask, gateway, and DNS that are provided by your Internet Service Provider (ISP).


TV Rear Panel
The LAN Port on the Wall
1 LAN Cable
PC IN
AUDIO
PC
HDMI IN
DIGITAL AUDIO OUT (OPTICAL)
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
ANT IN
LAN
AV IN 1
COMPONENT IN

1 Connect the [LAN] port on the rear panel of the TV and the LAN port on the wall using the LAN cable.


You can connect the LAN via a Sharer (Router).
The LAN Port on the Wall
IP Sharer
TV Rear Panel
LAN Cable
LAN Cable
PC IN
AUDIO
PC
HDMI IN
DIGITAL AUDIO OUT (OPTICAL)
AUDIO OUT
EX-LINK
DVI IN (HDMI 2)
ANT IN
LAN
AV IN 1
COMPONENT IN

- ➢ The terminals (the position of the port and the type) of the external device may differ depending on the manufacturer.
- ➢ If you are using a static IP address, your ISP will inform you of the IP address, subnet mask, gateway, and DNS. You must enter these values to complete the network settings. If you do not know the values, ask your network administrator.
- ➢ For the information on how to configure and connect a Sharer (Router), refer to the owner’s manual for the corresponding product.
- ➢ You can connect the TV to the LAN directly without connecting it through a Sharer (Router).
- ➢ If you use an IP Sharer (IP Router) that supports DHCP, you can set up the device as either DHCP or static IP.
- ➢ For the procedures to use a static IP address, ask your Internet Service Provider.

Cable Network Setup

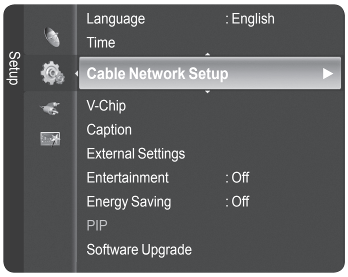
Auto Setup

If you connect the LAN cable and it supports DHCP, the Internet Protocol (IP) Settings are automatically configured.

➢ Please check if the LAN cable is connected. (See page 110)

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

2 Press the ▲ or ▼ button to select **Cable Network Setup**, then press the **ENTER** button.



Setup

Language : English

Time

Cable Network Setup ▶

V-Chip

Caption

External Settings

Entertainment : Off

Energy Saving : Off

PIP

Software Upgrade

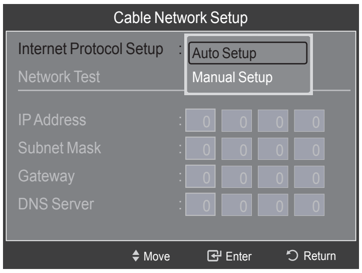
3 Press the **ENTER** button to select **Internet Protocol Setup**.

4 Press the ▲ or ▼ button to select **Auto Setup**, then press the **ENTER** button.

➢ The Internet Protocol is set automatically.

➢ Select **Network Test** to check the network connectivity. (Refer to page 113)

Press the **EXIT** button to exit.



Cable Network Setup

Internet Protocol Setup : Auto Setup / Manual Setup

Network Test

IP Address : 0 0 0 0

Subnet Mask : 0 0 0 0

Gateway : 0 0 0 0

DNS Server : 0 0 0 0

⬍ Move ↵ Enter ↺ Return

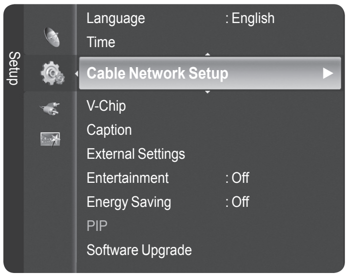
Manual Setup

To connect the TV to the LAN using a static IP address, you must set up the Internet Protocol (IP).

➢ Please check if the LAN cable is connected. (See page 110)

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

2 Press the ▲ or ▼ button to select **Cable Network Setup**, then press the **ENTER** button.



Setup

Language : English

Time

Cable Network Setup ▶

V-Chip

Caption

External Settings

Entertainment : Off

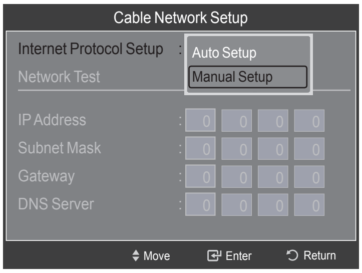
Energy Saving : Off

PIP

Software Upgrade

3 Press the **ENTER** button to select **Internet Protocol Setup**.

4 Press the ▲ or ▼ button to select **Manual Setup**, then press the **ENTER** button.



Cable Network Setup

Internet Protocol Setup : Auto Setup / Manual Setup

Network Test

IP Address : 0 0 0 0

Subnet Mask : 0 0 0 0

Gateway : 0 0 0 0

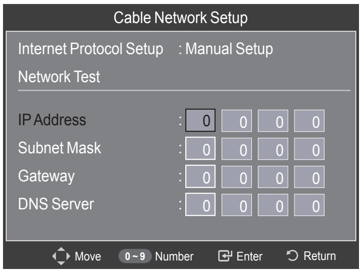
DNS Server : 0 0 0 0

⬍ Move ↵ Enter ↺ Return

5 Press the ▲, ▼, ◄ or ► button to move to an item, and press the numeric button to configure the selected item. Press the **ENTER** button.

➢ Select **Network Test** to check the network connectivity. (Refer to page 113)

Press the **EXIT** button to exit.



Cable Network Setup

Internet Protocol Setup : Manual Setup

Network Test

IP Address : 0 0 0 0

Subnet Mask : 0 0 0 0

Gateway : 0 0 0 0

DNS Server : 0 0 0 0

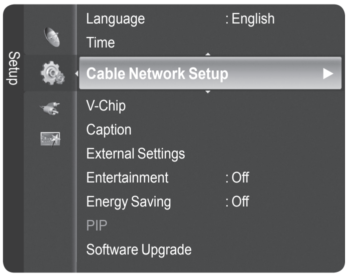
✥ Move 0~9 Number ↵ Enter ↺ Return

Network Test

You can test or confirm the network connection status after setting up the network.

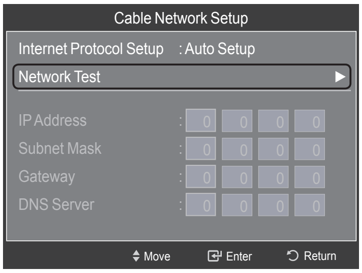
1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

2 Press the ▲ or ▼ button to select **Cable Network Setup**, then press the **ENTER** button.



Language : English
Entertainment : Off
Energy Saving : Off

3 Press the ▲ or ▼ button to select **Network Test**, then press the **ENTER** button.
➣ The current network settings will appear.
Press the **EXIT** button to exit.

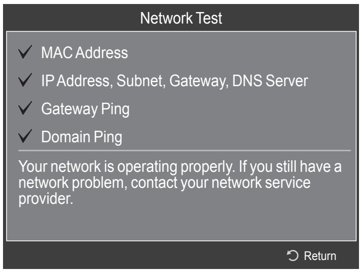


Internet Protocol Setup : Auto Setup
IP Address : 0 0 0 0
Subnet Mask : 0 0 0 0
Gateway : 0 0 0 0
DNS Server : 0 0 0 0

When unable to connect to a wired network

1. If your Internet service provider has registered the MAC address of the device used to connect to the Internet for the first time and authenticates the MAC address each time you connect to the Internet, your TV may not be able to connect to the Internet as the MAC address differs from that of the device (PC) used to connect to the Internet the first time. In this case, ask your Internet service provider about the procedures to connect devices other than your PC (such as your TV) to the Internet.
2. If your Internet service provider requires an ID or password to connect to the Internet (network), your TV may not be able to connect to the Internet. In this case, you have to enter your ID or password when connecting to the Internet using an Internet Sharer (Router).
3. The internet connection may fail due to a firewall problem. In this case, contact your Internet service provider.

If you cannot connect to the Internet even if you have followed the procedures of your Internet service provider, please contact a Samsung Electronics Service Center.

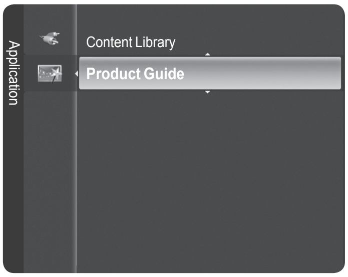


✓ MAC Address
✓ IP Address, Subnet, Gateway, DNS Server
✓ Gateway Ping
✓ Domain Ping

Your network is operating properly. If you still have a network problem, contact your network service provider.

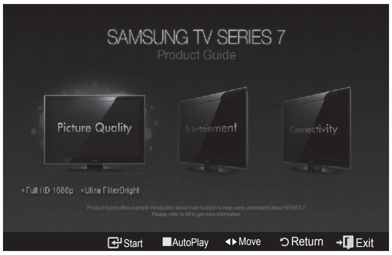
Product Guide

The Product Guide gives you information on the most important features of this TV.


Application
Content Library
Product Guide

1 Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Application**, then press the **ENTER** button.

2 Press the ▲ or ▼ button to select **Product Guide**, then press the **ENTER** button.


SAMSUNG TV SERIES 7
Product Guide
Picture Quality
Entertainment
Connectivity
• Full HD 1080p • Ultra FilterBright
Start
AutoPlay
Move
Return
Exit

Product Guide offers a simple introduction about main function to help users understand about SERIES 7.
Please, refer to I/B to get more information.

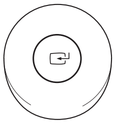
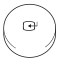
3 Press the ◄ or ► button to select a Guide (**Picture Quality**, **Entertainment** or **Connectivity**) and press the **ENTER** button.

4 You can navigate the Product Guide screen by using the ◄ and ► buttons.

- Picture Quality
  - Full HD 1080p
  - Ultra FilterBright
- Entertainment
  - InfoLink (Not available for all locations)
  - Content Library
  - Entertainment Mode
- Connectivity
  - WISELINK Pro
  - DLNA
  - 4HDMI
  - Anynet+

5 Press the **EXIT** button to exit.

Using the Remote Control Button in Product Guide Menu

Button	Operations
Yellow Button	Shows the contents of the Product Guide sequentially. (AutoPlay)
 (Wheel)	Move the cursor and select an item.
 (Enter)	Select the currently selected item.
	Return to the previous menu.
	Stop the current function and return to the **Product Guide** main menu.
CH ⌃/⌄ FAV.CH PRE-CH CH LIST	Stop Product Guide mode and Returns to TV mode

About Anynet+

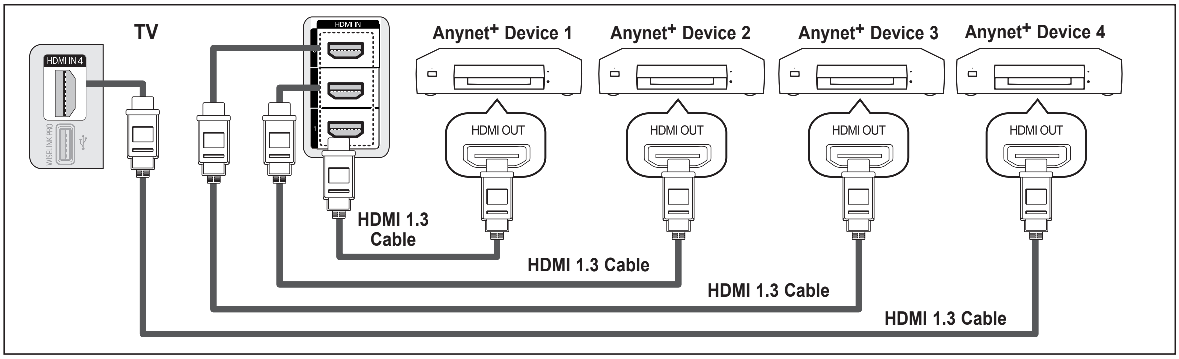
What is Anynet^{+}?

Anynet+ is a function that enables you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote.

Connecting Anynet^{+} Devices

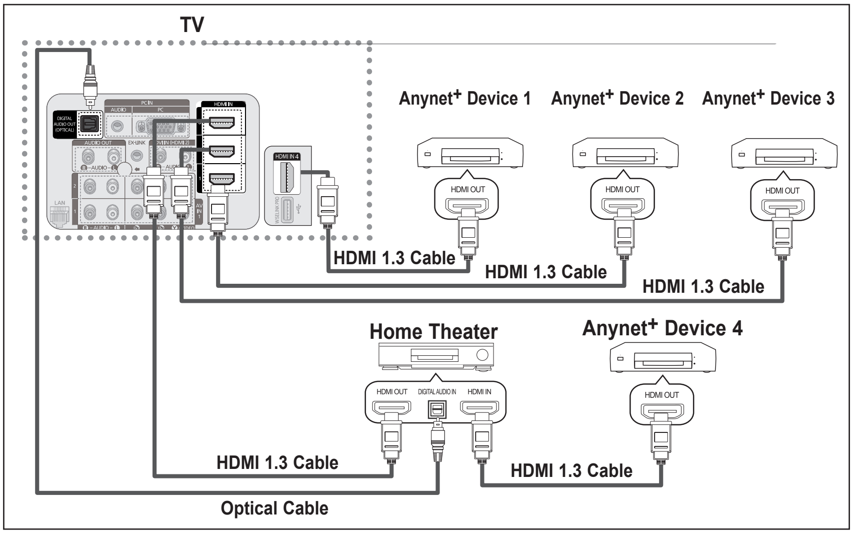
The Anynet+ system can be used only with Samsung devices that have the Anynet+ feature. To be sure your Samsung device has this feature, check if there is an Anynet+ logo on it.

To connect to a TV


TV
HDMI IN 4
WISELINK PRO
HDMI IN
Anynet+ Device 1
Anynet+ Device 2
Anynet+ Device 3
Anynet+ Device 4
HDMI OUT
HDMI OUT
HDMI OUT
HDMI OUT
HDMI 1.3 Cable
HDMI 1.3 Cable
HDMI 1.3 Cable
HDMI 1.3 Cable

Connect the [HDMI 1], [HDMI 2], [HDMI 3] or [HDMI4] jack on the TV and the HDMI OUT jack of the corresponding Anynet^{+} device using an HDMI cable.

To connect to a Home Theater


TV
DIGITAL AUDIO OUT (OPTICAL)
PC IN
AUDIO
PC
HDMI IN
AUDIO OUT
EX-LINK
LAN
HDMI IN 4
WISELINK PRO
Anynet+ Device 1
Anynet+ Device 2
Anynet+ Device 3
HDMI OUT
HDMI OUT
HDMI OUT
HDMI 1.3 Cable
HDMI 1.3 Cable
HDMI 1.3 Cable
Home Theater
Anynet+ Device 4
HDMI OUT
DIGITAL AUDIO IN
HDMI IN
HDMI OUT
HDMI 1.3 Cable
HDMI 1.3 Cable
Optical Cable

1. Connect the [HDMI 1], [HDMI 2] [HDMI 3] or [HDMI 4] jack on the TV and the HDMI OUT jack of the corresponding Anynet^{+} device using an HDMI cable.
2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet^{+} device using an HDMI cable.

➢ Connect the Optical cable between the Digital Audio Out (Optical) jack on your TV and the Digital Audio Input on the Home Theater.

➢ Connect only one Home Theater.

➢ When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theater's Front Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the DIGITAL AUDIO OUT (OPTICAL) jack on the DVD player or Cable/Satellite Box (ie Anynet Device 1 or 2) directly to the Amplifier or Home Theater, not the TV. Please see the home theater's user manual for more information.

➢ Some HDMI cables may not support Anynet^{+} functions.

➢ Anynet^{+} works when the AV device supporting Anynet^{+} is in the Standby or On status.

➢ Anynet^{+} supports up to 10 AV devices in total. Note that you can connect up to 3 devices of the same type.

Setting Up Anynet+

The following settings help set the Anynet+ functions.

To use the Anynet+ Function, Anynet+ (HDMI-CEC) must be set to On

1 Press the **MENU** button. Press the ▲ or ▼ button to select **Application**, then press the **ENTER** button.

2 Press the ▲ or ▼ button to select **Anynet+ (HDMI-CEC)**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

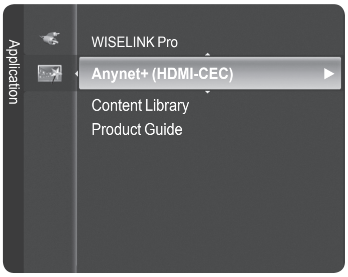
4 Press the ▲ or ▼ button to select **Anynet+ (HDMI-CEC)**, then press the **ENTER** button.

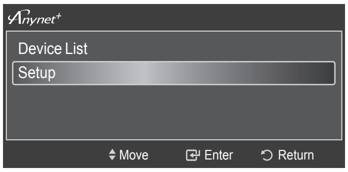
5 Press the ▲ or ▼ button to select **On**, then press the **ENTER** button.

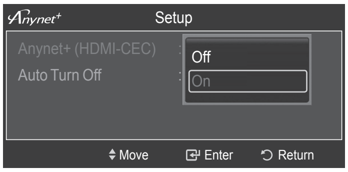
➢ The **Anynet+ (HDMI-CEC)** function is enabled.

➢ If you select **Off**, **Anynet+ (HDMI-CEC)** is disabled.

➢ When the **Anynet+ (HDMI-CEC)** function is disabled, all the Anynet+ related operations are deactivated.


Application
WISELINK Pro
Anynet+ (HDMI-CEC)
Content Library
Product Guide


Anynet+
Device List
Setup
Move
Enter
Return


Anynet+
Setup
Anynet+ (HDMI-CEC) :
Auto Turn Off :
Off
On
Move
Enter
Return

Setting an Anynet+ Device to turn Off Automatically when the TV is Turned Off

1 Press the ▲ or ▼ button to select **Auto Turn Off**, then press the **ENTER** button.

2 Press the ▲ or ▼ button to select **Yes**, then press the **ENTER** button.

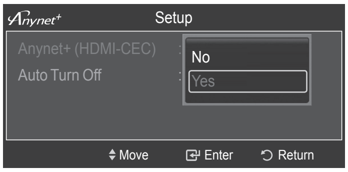
➢ The **Auto Turn Off** function is enabled.

➢ If you select **No**, the **Auto Turn Off** function is canceled.

Press the **EXIT** button to exit.

➢ The active source on the TV remote must be set to TV to use the Anynet+ function.

➢ If you set **Auto** Turn Off to Yes, connected external devices are also turned off when the TV is turned off. If an external device is still recording, it may or may not turn off.

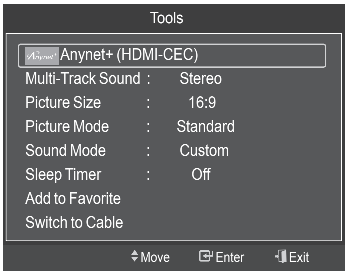

Anynet+
Setup
Anynet+ (HDMI-CEC) :
Auto Turn Off :
No
Yes
Move
Enter
Return

Easy Setting

1 Press the **TOOLS** button on the remote control.

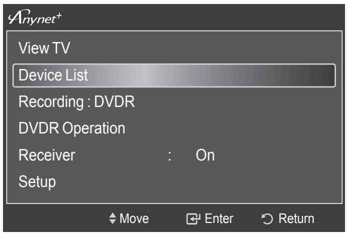
2 Press the ENTER button to select **Anynet+ (HDMI-CEC)**.

➢ The Anynet+ (HDMI-CEC) menus appear on the screen.


Tools
Anynet+ (HDMI-CEC)
Multi-Track Sound : Stereo
Picture Size : 16:9
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
Add to Favorite
Switch to Cable
Move
Enter
Exit

Continued...

Scanning and Switching between Anynet+ Devices



1. Press the **TOOLS** button.
   Press the ENTER button to select **Anynet+ (HDMI-CEC)**.

2. Press the ▲ or ▼ button to select **Device List**, then press the **ENTER** button.
   ➢ Anynet+ devices connected to the TV are listed.
   If you cannot find a device you want, press the red button to scan for devices.
   ➢ Only when you set **Anynet+ (HDMI-CEC)** to On in the **Setup** menu, the **Device List** menu appears.

3. Press the ▲ or ▼ button to select a particular device and press the **ENTER** button. It is switched to the selected device.

➢ Switching to the selected devices may take up to 2 minutes. You cannot cancel the operation during the switching operation.
➢ The time required to scan for devices is determined by the number of connected devices.
➢ When the device scan is complete, the number of devices found are not displayed.
➢ Although the TV automatically scans devices when it is turned on using the **POWER** button, devices connected when the TV is already on are not displayed in the device list. In this case, press the red button on the remote to search devices.
➢ If you have selected an external device by pressing the **SOURCE** button, you cannot use the Anynet+ function. Make sure to switch to an external Anynet+ device by using the **TOOLS** button.

Anynet+ Menu

The Anynet+ menu changes depending on the type and status of the Anynet+ devices connected to the TV.

Anynet+ Menu	Description
View TV	Anynet+ mode changes to TV broadcast mode.
Device List	Shows the Anynet+ device list.
(Device_Name) Menu	Shows the connected device menus. E.g. If a DVD recorder is connected, the disc menu of the DVD recorder will appear.
(Device_Name) Operation	Shows the play menu of the connected device. E.g. If a DVD recorder is connected, the play menu of the DVD recorder will appear.
Record: (*recorder)	Starts recording immediately using the recorder. (This is only available for devices that support the recording function.)
(*recorder) Reserve Recording	Enables reserving a recording for the recorder. (This is only available for devices that support the recording reservation function.)
Stop Recording: (*recorder)	Stops recording.
Receiver	Sound is output through the receiver.

➢ If more than one recording device is connected, they are displayed as (*recorder) and if only one recording device is connected, it will be represented as (*device_name).

TV Remote Control Buttons Available in Anynet+ Mode

Device Type	Operating Status	Available Buttons
Anynet+ Device	After switching to the device, when the menu of the corresponding device is displayed on the screen.	Numeric buttons **▲/▼/◄/►/ENTER** ⏎ buttons Color buttons / **EXIT** button
	After switching to the device, while playing a file	◀◀ (Backward search) / ▶▶ (Forward search) ■ (Stop) / ▶ (Play) / ❚❚ (Pause)
Device with built-in Tuner	After switching to the device, when you are watching a TV program	CH ∨ / CH ∧ button
Audio Device	When a Receiver is activated	VOL – / VOL + / MUTE button

➢ The Anynet+ function only works when the active source on the TV remote control is set to TV.

➢ The ● button works only while in the recordable state.

➢ You cannot control Anynet+ devices using the buttons on the TV. You can control Anynet+ devices only using the TV remote control.

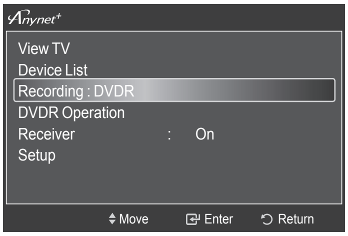
➢ The TV remote control may not work under certain conditions. In this case, reselect the Anynet+ device.

➢ The Anynet+ functions do not operate with other manufacturers' products.

➢ The ◀◀, ▶▶ operations may differ depending on the device.

Recording

You can make a recording of a TV program using a Samsung recorder.



1 Press the **TOOLS** button.
Press the **ENTER** button to select **Anynet+ (HDMI-CEC)**.

2 Press the ▲ or ▼ button to select Recording: (device_name), then press the **ENTER** button. Recording begins.

> **When there is more than one recording device**
> When multiple recording devices are connected, the recording devices are listed. Press the ▲ or ▼ button to select a recording device and press the **ENTER** button. Recording begins.
> **When the recording device is not displayed**
> Select **Device List** and press the red button to search devices.

Press the **EXIT** button to exit.

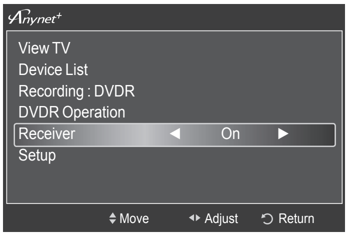
➢ You can record the source streams by selecting **Recording: (device_name).**

➢ Pressing the ● button will record whatever you are currently watching. If you are watching video from another device, the video from the device is recorded.

➢ Before recording, check whether the antenna jack is properly connected to the recording device. To properly connect an antenna to a recording device, refer to the recording device's users manual.

Listening through a Receiver (Home theater)

You can listen to sound through a receiver instead of the TV speaker.



Receiver ◄ On ►

1. Press the **TOOLS** button.
   Press the **ENTER** button to select **Anynet+ (HDMI-CEC).**
2. Press the ▲ or ▼ button to select **Receiver**.
   Press the ◄ or ► button to select **On** or **Off**.
3. Press the **EXIT** button to exit.

➢ If your receiver supports audio only, it may not appear in the device list.
➢ The receiver will work when you have properly connected the Optical IN jack of the receiver to the Optical Out jack of the TV.
➢ When the receiver (home theater) is set to On, you can hear sound output from the TV’s Optical jack. When the TV is displaying a DTV(air) signal, the TV will send out 5.1 channel sound to the Home theater receiver. When the source is a digital component such as a DVD and is connected to the TV via HDMI, only 2 channel sound will be heard from the Home Theater receiver.
➢ When using the WISELINK Pro feature, sound may not output properly through the receiver.
➢ When listening through the receiver, there are restrictions for using the PIP and audio-related(MTS, Preferred language) menus.
➢ If there is a power interruption to the TV when the **Receiver** is set to **On** (by disconnecting the power cord or a power failure), the **Select Speaker** may be set to **External Speaker** when you turn the TV on again. (see page 39)

Troubleshooting for Anynet^{+}

Symptom	Solution
Anynet^{+} does not work.	■ Check if the device is an Anynet^{+} device. The Anynet^{+} system supports Anynet^{+} devices only. ■ Connect only one receiver (home theater). ■ Check if the Anynet^{+} device power cord is properly connected. ■ Check the Anynet^{+} device’s Video/Audio/HDMI 1.3 cable connections. ■ Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ■ Check whether the TV remote control is in TV mode. ■ Check whether it is Anynet+ exclusive remote control. ■ Anynet+ doesn’t work in certain situations. (Searching channels, Operating WISELINK) ■ When connecting or removing the HDMI 1.3 cable, please make sure to search devices again or your TV off and on again. ■ Check if the Anynet+ Function of Anynet+ device is set on.
I want to start Anynet^{+}.	■ Check if the Anynet^{+} device is properly connected to the TV and check if the Anynet+ (HDMI-CEC) is set to On in the Anynet^{+} Setup menu. ■ Press the **TV** button on the TV remote control to switch to TV. Then press the **TOOLS** button to show the Anynet^{+} menu and select a menu you want.
I want to exit Anynet^{+}.	■ Select **View TV** in the Anynet^{+} menu. ■ Press the **SOURCE** button on the TV remote control and select a device other than Anynet^{+} menu. ■ Press **CH**, **CH LIST**, **PRE-CH**, and **FAV.CH** to change the TV mode. (Note that the channel button operates only when an Anynet^{+} device with a built-in tuner is not connected.)
The message Connecting to Anynet^{+} device... appears on the screen.	■ You cannot use the remote control when you are configuring Anynet^{+} or switching to a view mode. ■ Use the remote control when the Anynet^{+} setting or switching to view mode is complete.
The Anynet^{+} device does not play.	You cannot use the play function when Plug & Play is in progress.
The connected device is not displayed.	■ Check whether or not the device supports Anynet^{+} functions. ■ Check whether or not the HDMI 1.3 cable is properly connected. ■ Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ■ Search Anynet+ devices again. ■ You can connect an Anynet^{+} device using the HDMI 1.3 cable only. Some HDMI cables may not support Anynet^{+} functions.
The TV program cannot be recorded.	Check whether the antenna jack on the recording device is properly connected.
The TV sound is not output through the receiver.	Connect the optical cable between TV and the receiver.

Appendix

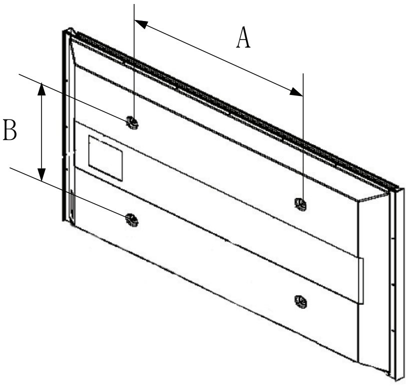
Troubleshooting

If the TV seems to have a problem, first try this list of possible problems and solutions.
If none of these troubleshooting tips apply, call your nearest Samsung service center.

Problem	Possible Solution
Poor picture quality.	Try another channel. Adjust the antenna. Check all wire connections.
Poor sound quality.	Try another channel. Adjust the antenna.
No picture or sound.	Try another channel. Press the **SOURCE** button. Make sure the TV is plugged in. Check the antenna connections. Make sure the **MUTE** button is off.
No sound or sound is too low at maximum volume.	First, check the volume of units connected to your TV (digital broadcasting receiver, DVD, cable broadcasting receiver, VCR, etc.). Then, adjust the TV volume accordingly.
Picture rolls vertically.	Check all connections.
There is a problem with the picture.	Run the Picture Test in the Self diagnostic Test menu.
There is a problem with the Sound.	Run the Sound Test in the Self diagnostic Test menu.
The TV operates erratically.	Unplug the TV for 30 seconds, then try operating it again.
The TV won’t turn on.	Make sure the wall outlet is working.
Remote control malfunctions	Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check the battery terminals. Press the **TV** button to put your remote control in the TV mode. Make sure the remote has batteries. Check that the “+” and “-” ends of the batteries are inserted correctly.
Digital broadcasting screen problem.	Please check the digital signal strength and input antenna.
The image is too light or too dark.	Adjust the Brightness and Contrast. Adjust the Fine tuning.
The image is too large or too small.	Adjust the Size settings.
The visual qualities of digital channels vary.	The visual qualities of digital channels may vary depending on the original production method (analog or digital). - If the original production method is digital: High visual quality. - If the original production method is analog: The digital program displayed on the screen is originally an analog program which has been converted to digital. The visual quality is of an SD(Standard Definition) grade.
Screen is black and power indicator light blinks steadily.	On your computer; check the Power and Signal Cable. The TV is using its power management system. Move the computer’s mouse or press any key on the keyboard.
	On your equipment check (STB, DVD, etc) ; Power and Signal Cable. The TV is using its power management system. Press the Source button on the panel or remote control. Turn the TV off and on.
Although the TV caption shows HD, the visual quality is not satisfactory.	The HD(High Definition) caption that appears when switching channels or when pressing the Information button on the remote control means the selected channel is a digital channel. If the broadcasting station converts an analog signal into digital and transmits the signal, the visual quality may not be perfect.
The distorted picture appears in the corner of the screen.	If **Just Scan** is selected in some external devices, the distorted picture may appear in the corner of the screen. This symptom is caused by external devices, not TV.
A strange sound is heard.	This is caused by minor systems operation and is not a defect.
Pixels are visible on the screen.	There may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.
The “Resets all settings to the default values” message appears.	This appears when you press and hold the **EXIT** button for a while. The product settings are reset to the factory defaults.

Wall Mount Kit Specifications (VESA)

Install your wall mount on a solid wall perpendicular to the floor.
When attaching to other building materials, please contact your nearest dealer.
If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.



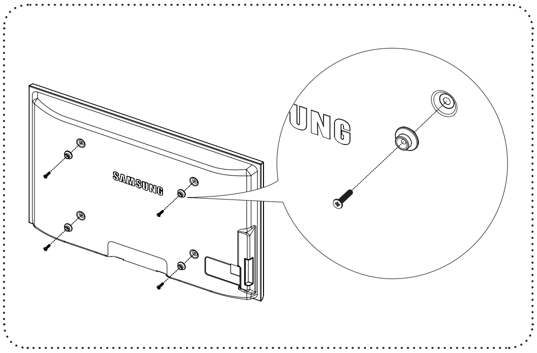
Product Family	inch	VESA Spec. (A * B)	Standard Screw	Quantity
LCD-TV	23 ~ 26	200 * 100	M4	4
	32 ~ 40	200 * 200	M6	
	46 ~ 52	400 * 400 600 * 400	M8	
	57	700 * 400 (No VESA)		
	57 ~ 70	800 * 400		
	80 ~	1400 * 800		
PDP-TV	42 ~ 58	400 * 400 600 * 400	M8	4
	63	676 * 407 (No VESA)		6
	63 ~ 70	800 * 400		4
	80 ~	1400 * 800		4

- ➢ The standard dimensions for wall mount kits are shown in the table above.
- ➢ When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- ➢ Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV set.
- ➢ For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on their specifications.
- ➢ Do not use screws that do not comply with the VESA standard screw specifications.
  Do not use fasten the screws too strongly, this may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- ➢ Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- ➢ Our 57” and 63” models do not comply with VESA Specifications. Therefore, you should use our dedicated wall mount kit for this model.
- ➢ Do not exceed 15 degrees tilt when mounting this TV.

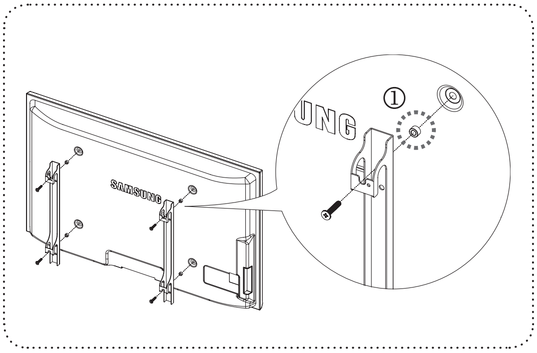
⚠ Do not install your Wall Mount Kit while your TV is turned on.
It may result in personal injury due to electric shock.

Preparing before installing Wall- Mount on the wall

Case A. Installing SAMSUNG Wall-Mount



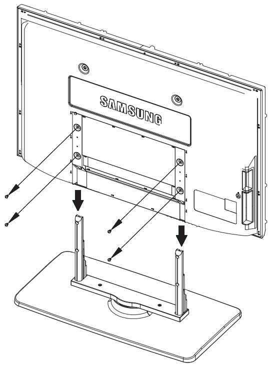
Case B. Installing other company’s Wall-Mount



1 Install Wall Mount with the torque range of 15kgf·cm or less. Make sure that parts can be damaged if the torque is out of the specified range.
2 Accessory Kit contains Holder–Ring [①] for installing other company’s Wall-Mount on Samsung TV. (Case B)

How to attach the Stand-Base

Using the screws for securing the stand base and the monitor, firmly attach the monitor to the stand base.
(The exterior of the set may be different from the picture.)



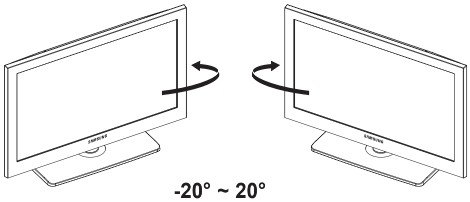
Warning
Firmly secure the stand to the TV before moving it, as the stand may fall and could cause serious injury.

➢ Two or more people should carry the TV. Never lay the TV on the floor because of possible damage to the screen. Always store the TV upright.

Specifications

Model Name	**PL63A750T1F**
Screen Size (Diagonal)	63 inch
PC Resolution	1920 x 1080 @ 60 Hz
Sound (Output)	15W x 2
Dimension (W x H x D) Body With stand	60.3 x 36.7 x 3.9 inches (1531.0 x 932.0 x 98.6 mm) 60.3 x 39.6 x 16.5 inches (1531.0 x 1005.0 x 418.0 mm)
Weight Body With stand	127.9 lbs (58.0 kg) 185.2 lbs (84.0 kg)
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	50 °F to 104 °F (10 °C to 40 °C) 10% to 80%, non-condensing -4 °F to 113 °F (-20 °C to 45 °C) 5% to 95%, non-condensing

➢ This device is a Class B digital apparatus.
➢ Design and specifications are subject to change without prior notice.
➢ For the power supply and Power Consumption, refer to the label attached to the product.

Stand Swivel (Left / Right)
 **-20° ~ 20°**

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